



DEFENSE LOGISTICS AGENCY
WEAPONS SUPPORT
P.O. BOX 3990
COLUMBUS, OHIO 43218-3990

September 29, 2026

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Drafts of:

MIL-PRF-39003/1M (Capacitor, Fixed, Electrolytic (Solid Electrolyte), Tantalum, (Polarized, Sintered Slug), Established Reliability, Style CSR13)

MIL-PRF-39003/10F (Capacitor, Fixed, Electrolytic (Solid Electrolyte), Tantalum, (Polarized, Sintered Slug), Established Reliability, Styles CSS13 And CSS33 (High Reliability Applications))

Project numbers: 5910-2026-050 and -051.

The subject documents are now available for viewing and downloading from the DLA Weapons Support (Columbus) - VA website:

<https://weaponssupportapps.dla.mil/Programs/MilSpec/initialdrafts.aspx>

These documents are being revised to update the current requirements of **MIL-STD-961** and update review activities. No technical changes are being proposed. An effort has been made to highlight changes from prior revisions; however, reviewers are cautioned to review the entire document.

Concurrence or comments are required at this Center no later than 30 October 2026. If comments are not received during the allotted coordination period, concurrence may be assumed. Late comments may be held for the next specification action. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply. Since Navy – EC is a custodian for this document; all Navy review activities should forward their comments directly to this Center.

The point of contact for this project is Mrs. Tanjima Bhuiyan, DLA Weapons Support (Columbus) - VAT, Post Office Box 3990, Columbus, OH 43218-3990. The preferred method of contact is via email. Tanjima can be reached at tanjima.bhuiyan@dla.mil or (614) 693-4004.

//Signature on file//

James Eschmeyer
Chief
Electronic Components Branch

NOTE: This draft, dated 29 September, 2026 prepared by DLA-CC, has not been approved and is subject to modification.
DO NOT USE PRIOR TO APPROVAL. (Project 5910-2026-050)

INCH-POUND
MIL-PRF-39003/1LM
~~13 July 2021~~ DRAFT
SUPERSEDING
MIL-PRF-39003/1KL
w/AMENDMENT 4
~~14 January 2011~~ 13 July 2021

PERFORMANCE SPECIFICATION SHEET

CAPACITOR, FIXED, ELECTROLYTIC (SOLID ELECTROLYTE), TANTALUM,
(POLARIZED, SINTERED SLUG), ESTABLISHED RELIABILITY,
STYLE CSR13

FAILURE RATE LEVELS "M", "P", AND "R" ARE
INACTIVE FOR NEW DESIGN AFTER 2 FEBRUARY 1984

FAILURE RATE LEVEL "S" IS INACTIVE
FOR NEW DESIGN AFTER 15 AUGUST 1984

This specification sheet is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification sheet and [MIL-PRF-39003](#).

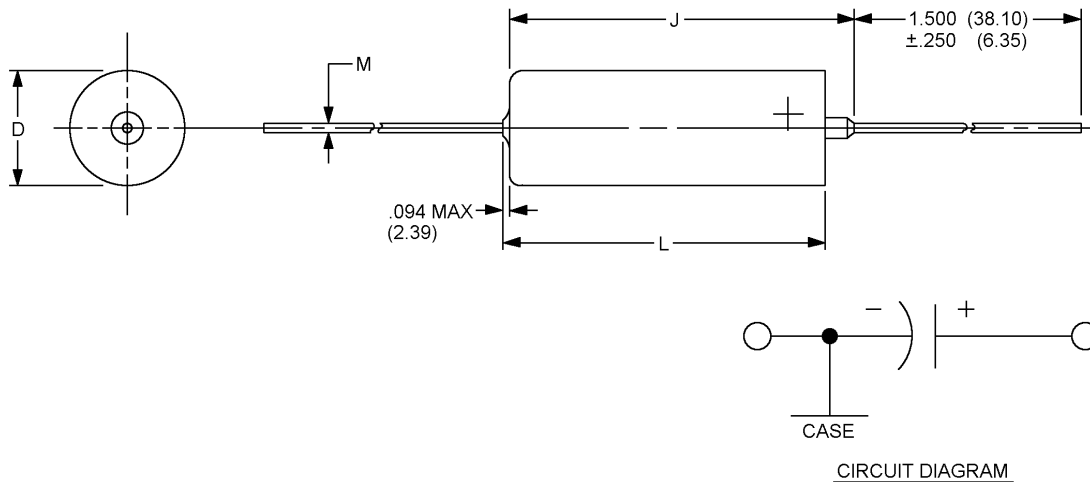


FIGURE 1. Dimensions and configuration.

AMSC N/A

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

FSC 5910



MIL-PRF-39003/1LM
Dated 28 September 2026

Case size	Dimensions			
	L ± .031 (0.79)	D +.016 (0.41), - .015 (0.38)	M ± .002 (0.05)	J Max
A	.286 (7.26)	.135 (3.43)	.020 (0.51)	.422 (10.72)
B	.474 (12.04)	.185 (4.70)	.020 (0.51)	.610 (15.49)
C	.686 (17.42)	.289 (7.34)	.025 (0.64)	.822 (20.88)
D	.786 (19.96)	.351 (8.92)	.025 (0.64)	.922 (23.42)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are in millimeters and are given for general information only.
3. The case insulation shall extend .015 inch (0.38 mm) minimum beyond each end. However, when a shrink-fitted insulation is used, it shall lap over the ends of the capacitor body.
4. Lead length may be a minimum of 1-inch long for use in tape and reel automatic insertion equipment, when specified.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configuration: See [figure 1](#).

Case type: Tubular, insulated.

Material: Metal (alloy unspecified).

Type of seal: Hermetic.

Leads: Type N-32, N-52, W-32, or W-52 of [MIL-STD-1276](#).

DC rated voltage: See [table I](#). Above +85°C, voltage de-rating is required (see [MIL-PRF-39003](#)).

Operating temperature: -55°C to +125°C.

Failure rate level: See [table I](#).

DC leakage (DCL): See [table I](#).

Capacitance (Cap.) (nom): See [table I](#).

Cap. tolerance: ± 5, ± 10, or ± 20 percent as shown in [table I](#).

Dissipation factor (DF): See [table I](#).

Stability at low and high temperatures: In accordance with [MIL-PRF-39003](#).

Step 1 (+25°C):

DCL: See [table I](#).

Capacitance : Within tolerance of [table I](#) value.

DF: See [table I](#).

Step 2 (-55°C):

Capacitance: Not greater than ± 10 percent of step 1 measured value.

DF: See [table I](#).

Step 3 (+25°C):

DCL: See [table I](#).

Capacitance: Not greater than ± 2 percent of step 1 measured value.

DF: See [table I](#).

Step 4 (+85°C):

DCL: See [table I](#).

Capacitance: Not greater than ± 8 percent of step 1 measured value.

DF: See [table I](#).

Step 5 (+125°C):

DCL: See [table I](#).

Capacitance: Not greater than ± 12 percent of step 1 measured value.

DF: See [table I](#).

Step 6 (+25°C):

DCL: See [table I](#).

Capacitance: Not greater than ± 2 percent of step 1 measured value.

DF: See [table I](#).

Surge voltage: In accordance with [MIL-PRF-39003](#).

DCL: See [table I](#).

Capacitance: Not greater than ± 2 percent of initial measured value.

DF: See [table I](#).

Life: [MIL-STD-202-108](#):

240, 1,000, and 2,000 hours.

At +25°C (as applicable):

DCL: 200 percent of initial limit.

Capacitance: Not greater than ± 5 percent of initial measured value.

DF: See [table I](#).

At +85°C.

DCL: See [table I](#).

At +125°C:

DCL: See [table I](#).

4,000, 6,000, 8,000, and 10,000 hours (exponential only):

At +25°C (as applicable):

DCL: 400 percent of initial limit.

Capacitance: Not greater than ±10 percent of initial measured value.

DF: See [table I](#).

At +85°C:

DCL: 200 percent of initial limit.

At +125°C:

DCL: 200 percent of initial limit.

Marking: In accordance with [MIL-PRF-39003](#).

Part or Identifying Number (PIN): M39003/01- (dash number from [table I](#)).

Substitutability data: Substitutability for failure rate levels and capacitance tolerances shall be in accordance with [MIL-PRF-39003](#).

For a list of superseded PIN's, see [table II](#) and [table III](#).

TABLE I. [Style CSR13 characteristics and dash numbers](#).

Cap. (nom) (μF)	Cap. Tolerance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
		6 volts													
5.6	5	0.3	6	7.5	4	4	A	5001-	5201-	5401-	5601-	4001-	6001-	7001-	8001-
5.6	10	0.3	6	7.5	4	4	A	2241-	2481-	2721-	2961-	4002-	6002-	7002-	8002-
6.8	5	0.3	6	7.5	6	6	A	5002-	5202-	5402-	5602-	4003-	6003-	7003-	8003-
6.8	10	0.3	6	7.5	6	6	A	2242-	2482-	2722-	2962-	4004-	6004-	7004-	8004-
6.8	20	0.3	6	7.5	6	6	A	2243-	2483-	2723-	2963-	4005-	6005-	7005-	8005-
47	5	1.5	24	30	6	6	B	5003-	5203-	5403-	5603-	4006-	6006-	7006-	8006-
47	10	1.5	24	30	6	6	B	2244-	2484-	2724-	2964-	4007-	6007-	7007-	8007-
47	20	1.5	24	30	6	6	B	2245-	2485-	2725-	2965-	4008-	6008-	7008-	8008-
56	5	1.5	24	30	6	6	B	5004-	5204-	5404-	5604-	4009-	6009-	7009-	8009-
56	10	1.5	24	30	6	6	B	2246-	2486-	2726-	2966-	4010-	6010-	7010-	8010-
150	5	4.5	90	113	8	8	C	5005-	5205-	5405-	5605-	4011-	6011-	7011-	8011-
150	10	4.5	90	113	8	8	C	2247-	2487-	2727-	2967-	4012-	6012-	7012-	8012-
150	20	4.5	90	113	8	8	C	2248-	2488-	2728-	2968-	4013-	6013-	7013-	8013-
180	5	5.5	110	138	8	8	C	5006-	5206-	5406-	5606-	4014-	6014-	7014-	8014-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
6 volts - continued															
180	10	5.5	110	138	8	8	C	2249-	2489-	2729-	2969-	4015-	6015-	7015-	8015-
270	5	6.5	130	163	8	8	D	5007-	5207-	5407-	5607-	4016-	6016-	7016-	8016-
270	10	6.5	130	163	8	8	D	2250-	2490-	2730-	2970-	4017-	6017-	7017-	8017-
330	5	7.5	150	188	8	8	D	5008-	5208-	5408-	5608-	4018-	6018-	7018-	8018-
330	10	7.5	150	188	8	8	D	2251-	2491-	2731-	2971-	4019-	6019-	7019-	8019-
330	20	7.5	150	188	8	8	D	2252-	2492-	2732-	2972-	4020-	6020-	7020-	8020-
10 volts															
3.9	5	0.3	6	7.5	4	4	A	5009-	5209-	5409-	5609-	4021-	6021-	7021-	8021-
3.9	10	0.3	6	7.5	4	4	A	2253-	2493-	2733-	2973-	4022-	6022-	7022-	8022-
4.7	5	0.4	7	8.8	4	4	A	5010-	5210-	5410-	5610-	4023-	6023-	7023-	8023-
4.7	10	0.4	7	8.8	4	4	A	2254-	2494-	2734-	2974-	4024-	6024-	7024-	8024-
4.7	20	0.4	7	8.8	4	4	A	2255-	2495-	2735-	2975-	4025-	6025-	7025-	8025-
27	5	2	40	50	6	6	B	5011-	5211-	5411-	5611-	4026-	6026-	7026-	8026-
27	10	2	40	50	6	6	B	2256-	2496-	2736-	2976-	4027-	6027-	7027-	8027-
33	5	2.5	50	63	6	6	B	5012-	5212-	5412-	5612-	4028-	6028-	7028-	8028-
33	10	2.5	50	63	6	6	B	2257-	2497-	2737-	2977-	4029-	6029-	7029-	8029-
33	20	2.5	50	63	6	6	B	2258-	2498-	2738-	2978-	4030-	6030-	7030-	8030-
39	5	2.5	50	63	6	6	B	5013-	5213-	5413-	5613-	4031-	6031-	7031-	8031-
39	10	2.5	50	63	6	6	B	2259-	2499-	2739-	2979-	4032-	6032-	7032-	8032-
82	5	4	80	100	6	6	C	5014-	5214-	5414-	5614-	4033-	6033-	7033-	8033-
82	10	4	80	100	6	6	C	2260-	2500-	2740-	2980-	4034-	6034-	7034-	8034-
100	5	5	100	125	8	8	C	5015-	5215-	5415-	5615-	4035-	6035-	7035-	8035-
100	10	5	100	125	8	8	C	2261-	2501-	2741-	2981-	4036-	6036-	7036-	8036-
100	20	5	100	125	8	8	C	2262-	2502-	2742-	2982-	4037-	6037-	7037-	8037-
120	5	6	120	150	8	8	C	5016-	5216-	5416-	5616-	4038-	6038-	7038-	8038-
120	10	6	120	150	8	8	C	2263-	2503-	2743-	2983-	4039-	6039-	7039-	8039-
180	5	9	180	226	8	8	D	5017-	5217-	5417-	5617-	4040-	6040-	7040-	8040-
180	10	9	180	226	8	8	D	2264-	2504-	2744-	2984-	4041-	6041-	7041-	8041-
220	5	10	200	250	8	8	D	5018-	5218-	5418-	5618-	4042-	6042-	7042-	8042-
220	10	10	200	250	8	8	D	2265-	2505-	2745-	2985-	4043-	6043-	7043-	8043-
220	20	10	200	250	8	8	D	2266-	2506-	2746-	2986-	4044-	6044-	7044-	8044-
15 volts															
2.7	5	0.3	6	7.5	4	4	A	5019-	5219-	5419-	5619-	4045-	6045-	7045-	8045-
2.7	10	0.3	6	7.5	4	4	A	2267-	2507-	2747-	2987-	4046-	6046-	7046-	8046-
3.3	5	0.4	8	10	4	4	A	5020-	5220-	5420-	5620-	4047-	6047-	7047-	8047-
3.3	10	0.4	8	10	4	4	A	2268-	2508-	2748-	2988-	4048-	6048-	7048-	8048-
3.3	20	0.4	8	10	4	4	A	2269-	2509-	2749-	2989-	4049-	6049-	7049-	8049-
18	5	2	35	44	6	6	B	5021-	5221-	5421-	5621-	4050-	6050-	7050-	8050-
18	10	2	35	44	6	6	B	2270-	2510-	2750-	2990-	4051-	6051-	7051-	8051-
22	5	2	40	50	6	6	B	5022-	5222-	5422-	5622-	4052-	6052-	7052-	8052-
22	10	2	40	50	6	6	B	2271-	2511-	2751-	2991-	4053-	6053-	7053-	8053-
22	20	2	40	50	6	6	B	2272-	2512-	2752-	2992-	4054-	6054-	7054-	8054-
56	5	4	80	100	6	6	C	5023-	5223-	5423-	5623-	4055-	6055-	7055-	8055-
56	10	4	80	100	6	6	C	2273-	2513-	2753-	2993-	4056-	6056-	7056-	8056-
68	5	5	100	125	6	6	C	5024-	5224-	5424-	5624-	4057-	6057-	7057-	8057-
68	10	5	100	125	6	6	C	2274-	2514-	2754-	2994-	4058-	6058-	7058-	8058-
68	20	5	100	125	6	6	C	2275-	2515-	2755-	2995-	4059-	6059-	7059-	8059-
120	5	9	180	226	8	8	D	5025-	5225-	5425-	5625-	4060-	6060-	7060-	8060-
120	10	9	180	226	8	8	D	2276-	2516-	2756-	2996-	4061-	6061-	7061-	8061-
150	5	10	200	250	8	8	D	5026-	5226-	5426-	5626-	4062-	6062-	7062-	8062-
150	10	10	200	250	8	8	D	2277-	2517-	2757-	2997-	4063-	6063-	7063-	8063-
150	20	10	200	250	8	8	D	2278-	2518-	2758-	2998-	4064-	6064-	7064-	8064-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
20 volts															
1.2	5	0.3	6	7.5	4	4	A	5027-	5227-	5427-	5627-	4065-	6065-	7065-	8065-
1.2	10	0.3	6	7.5	4	4	A	2279-	2519-	2759-	2999-	4066-	6066-	7066-	8066-
1.5	5	0.3	6	7.5	4	4	A	5028-	5228-	5428-	5628-	4067-	6067-	7067-	8067-
1.5	10	0.3	6	7.5	4	4	A	2280-	2520-	2760-	3000-	4068-	6068-	7068-	8068-
1.5	20	0.3	6	7.5	4	4	A	2281-	2521-	2761-	3001-	4069-	6069-	7069-	8069-
1.8	5	0.3	6	7.5	4	4	A	5029-	5229-	5429-	5629-	4070-	6070-	7070-	8070-
1.8	10	0.3	6	7.5	4	4	A	2282-	2522-	2762-	3002-	4071-	6071-	7071-	8071-
2.2	5	0.4	8	10	4	4	A	5030-	5230-	5430-	5630-	4072-	6072-	7072-	8072-
2.2	10	0.4	8	10	4	4	A	2283-	2523-	2763-	3003-	4073-	6073-	7073-	8073-
2.2	20	0.4	8	10	4	4	A	2284-	2524-	2764-	3004-	4074-	6074-	7074-	8074-
8.2	5	1	20	25	6	6	B	5031-	5231-	5431-	5631-	4075-	6075-	7075-	8075-
8.2	10	1	20	25	6	6	B	2285-	2525-	2765-	3005-	4076-	6076-	7076-	8076-
10	5	1.5	30	38	6	6	B	5032-	5232-	5432-	5632-	4077-	6077-	7077-	8077-
10	10	1.5	30	38	6	6	B	2286-	2526-	2766-	3006-	4078-	6078-	7078-	8078-
10	20	1.5	30	38	6	6	B	2287-	2527-	2767-	3007-	4079-	6079-	7079-	8079-
12	5	1.8	35	44	6	6	B	5033-	5233-	5433-	5633-	4080-	6080-	7080-	8080-
12	10	1.8	35	44	6	6	B	2288-	2528-	2768-	3008-	4081-	6081-	7081-	8081-
15	5	2	40	50	6	6	B	5034-	5234-	5434-	5634-	4082-	6082-	7082-	8082-
15	10	2	40	50	6	6	B	2289-	2529-	2769-	3009-	4083-	6083-	7083-	8083-
15	20	2	40	50	6	6	B	2290-	2530-	2770-	3010-	4084-	6084-	7084-	8084-
27	5	2.5	50	63	6	6	C	5035-	5235-	5435-	5635-	4085-	6085-	7085-	8085-
27	10	2.5	50	63	6	6	C	2291-	2531-	2771-	3011-	4086-	6086-	7086-	8086-
33	5	3.5	70	88	6	6	C	5036-	5236-	5436-	5636-	4087-	6087-	7087-	8087-
33	10	3.5	70	88	6	6	C	2292-	2532-	2772-	3012-	4088-	6088-	7088-	8088-
33	20	3.5	70	88	6	6	C	2293-	2533-	2773-	3013-	4089-	6089-	7089-	8089-
39	5	4	80	100	6	6	C	5037-	5237-	5437-	5637-	4090-	6090-	7090-	8090-
39	10	4	80	100	6	6	C	2294-	2534-	2774-	3014-	4091-	6091-	7091-	8091-
47	5	4.5	90	113	6	6	C	5038-	5238-	5438-	5638-	4092-	6092-	7092-	8092-
47	10	4.5	90	113	6	6	C	2295-	2535-	2775-	3015-	4093-	6093-	7093-	8093-
47	20	4.5	90	113	6	6	C	2296-	2536-	2776-	3016-	4094-	6094-	7094-	8094-
56	5	5.5	110	138	6	6	D	5039-	5239-	5439-	5639-	4095-	6095-	7095-	8095-
56	10	5.5	110	138	6	6	D	2297-	2537-	2777-	3017-	4096-	6096-	7096-	8096-
68	5	7	140	175	6	6	D	5040-	5240-	5440-	5640-	4097-	6097-	7097-	8097-
68	10	7	140	175	6	6	D	2298-	2538-	2778-	3018-	4098-	6098-	7098-	8098-
68	20	7	140	175	6	6	D	2299-	2539-	2779-	3019-	4099-	6099-	7099-	8099-
82	5	8	160	200	6	6	D	5041-	5241-	5441-	5641-	4100-	6100-	7100-	8100-
82	10	8	160	200	6	6	D	2300-	2540-	2780-	3020-	4101-	6101-	7101-	8101-
100	5	10	200	250	8	8	D	5042-	5242-	5442-	5642-	4102-	6102-	7102-	8102-
100	10	10	200	250	8	8	D	2301-	2541-	2781-	3021-	4103-	6103-	7103-	8103-
100	20	10	200	250	8	8	D	2302-	2542-	2782-	3022-	4104-	6104-	7104-	8104-
35 volts															
5.6	5	1.3	25	32	4	4	B	5043-	5243-	5443-	5643-	4105-	6105-	7105-	8105-
5.6	10	1.3	25	32	4	4	B	2303-	2543-	2783-	3023-	4106-	6106-	7106-	8106-
6.8	5	1.5	30	38	6	6	B	5044-	5244-	5444-	5644-	4107-	6107-	7107-	8107-
6.8	10	1.5	30	38	6	6	B	2304-	2544-	2784-	3024-	4108-	6108-	7108-	8108-
6.8	20	1.5	30	38	6	6	B	2305-	2545-	2785-	3025-	4109-	6109-	7109-	8109-
22	5	4	80	100	6	6	C	5045-	5245-	5445-	5645-	4110-	6110-	7110-	8110-
22	10	4	80	100	6	6	C	2306-	2546-	2786-	3026-	4111-	6111-	7111-	8111-
22	20	4	80	100	6	6	C	2307-	2547-	2787-	3027-	4112-	6112-	7112-	8112-
27	5	4.5	90	113	6	6	D	5046-	5246-	5446-	5646-	4113-	6113-	7113-	8113-
27	10	4.5	90	113	6	6	D	2308-	2548-	2788-	3028-	4114-	6114-	7114-	8114-
33	5	5.5	110	138	6	6	D	5047-	5247-	5447-	5647-	4115-	6115-	7115-	8115-
33	10	5.5	110	138	6	6	D	2309-	2549-	2789-	3029-	4116-	6116-	7116-	8116-
33	20	5.5	110	138	6	6	D	2310-	2550-	2790-	3030-	4117-	6117-	7117-	8117-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- <u>1/</u> failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
35 volts - continued															
39	5	7	140	175	6	6	D	5048-	5248-	5448-	5648-	4118-	6118-	7118-	8118-
39	10	7	140	175	6	6	D	2311-	2551-	2791-	3031-	4119-	6119-	7119-	8119-
47	5	8	160	200	6	6	D	5049-	5249-	5449-	5649-	4120-	6120-	7120-	8120-
47	10	8	160	200	6	6	D	2312-	2552-	2792-	3032-	4121-	6121-	7121-	8121-
47	20	8	160	200	6	6	D	2313-	2553-	2793-	3033-	4122-	6122-	7122-	8122-
50 volts															
.0047	5	0.3	5	6.3	2	4	A	5050-	5250-	5450-	5650-	4123-	6123-	7123-	8123-
.0047	10	0.3	5	6.3	2	4	A	2314-	2554-	2794-	3034-	4124-	6124-	7124-	8124-
.0047	20	0.3	5	6.3	2	4	A	2315-	2555-	2795-	3035-	4125-	6125-	7125-	8125-
.0056	5	0.3	5	6.3	2	4	A	5051-	5251-	5451-	5651-	4126-	6126-	7126-	8126-
.0056	10	0.3	5	6.3	2	4	A	2316-	2556-	2796-	3036-	4127-	6127-	7127-	8127-
.0068	5	0.3	5	6.3	2	4	A	5052-	5252-	5452-	5652-	4128-	6128-	7128-	8128-
.0068	10	0.3	5	6.3	2	4	A	2317-	2557-	2797-	3037-	4129-	6129-	7129-	8129-
.0068	20	0.3	5	6.3	2	4	A	2318-	2558-	2798-	3038-	4130-	6130-	7130-	8130-
.0082	5	0.3	5	6.3	2	4	A	5053-	5253-	5453-	5653-	4131-	6131-	7131-	8131-
.0082	10	0.3	5	6.3	2	4	A	2319-	2559-	2799-	3039-	4132-	6132-	7132-	8132-
.01	5	0.3	5	6.3	2	4	A	5054-	5254-	5454-	5654-	4133-	6133-	7133-	8133-
.01	10	0.3	5	6.3	2	4	A	2320-	2560-	2800-	3040-	4134-	6134-	7134-	8134-
.01	20	0.3	5	6.3	2	4	A	2321-	2561-	2801-	3041-	4135-	6135-	7135-	8135-
.012	5	0.3	5	6.3	2	4	A	5055-	5255-	5455-	5655-	4136-	6136-	7136-	8136-
.012	10	0.3	5	6.3	2	4	A	2322-	2562-	2802-	3042-	4137-	6137-	7137-	8137-
.015	5	0.3	5	6.3	2	4	A	5056-	5256-	5456-	5656-	4138-	6138-	7138-	8138-
.015	10	0.3	5	6.3	2	4	A	2323-	2563-	2803-	3043-	4139-	6139-	7139-	8139-
.015	20	0.3	5	6.3	2	4	A	2324-	2564-	2804-	3044-	4140-	6140-	7140-	8140-
.018	5	0.3	5	6.3	2	4	A	5057-	5257-	5457-	5657-	4141-	6141-	7141-	8141-
.018	10	0.3	5	6.3	2	4	A	2325-	2565-	2805-	3045-	4142-	6142-	7142-	8142-
.022	5	0.3	5	6.3	2	4	A	5058-	5258-	5458-	5658-	4143-	6143-	7143-	8143-
.022	10	0.3	5	6.3	2	4	A	2326-	2566-	2806-	3046-	4144-	6144-	7144-	8144-
.022	20	0.3	5	6.3	2	4	A	2327-	2567-	2807-	3047-	4145-	6145-	7145-	8145-
.027	5	0.3	5	6.3	2	4	A	5059-	5259-	5459-	5659-	4146-	6146-	7146-	8146-
.027	10	0.3	5	6.3	2	4	A	2328-	2568-	2808-	3048-	4147-	6147-	7147-	8147-
.033	5	0.3	5	6.3	2	4	A	5060-	5260-	5460-	5660-	4148-	6148-	7148-	8148-
.033	10	0.3	5	6.3	2	4	A	2329-	2569-	2809-	3049-	4149-	6149-	7149-	8149-
.033	20	0.3	5	6.3	2	4	A	2330-	2570-	2810-	3050-	4150-	6150-	7150-	8150-
.039	5	0.3	5	6.3	2	4	A	5061-	5261-	5461-	5661-	4151-	6151-	7151-	8151-
.039	10	0.3	5	6.3	2	4	A	2331-	2571-	2811-	3051-	4152-	6152-	7152-	8152-
.047	5	0.3	5	6.3	2	4	A	5062-	5262-	5462-	5662-	4153-	6153-	7153-	8153-
.047	10	0.3	5	6.3	2	4	A	2332-	2572-	2812-	3052-	4154-	6154-	7154-	8154-
.047	20	0.3	5	6.3	2	4	A	2333-	2573-	2813-	3053-	4155-	6155-	7155-	8155-
.056	5	0.3	5	6.3	2	4	A	5063-	5263-	5463-	5663-	4156-	6156-	7156-	8156-
.056	10	0.3	5	6.3	2	4	A	2334-	2574-	2814-	3054-	4157-	6157-	7157-	8157-
.068	5	0.3	5	6.3	2	4	A	5064-	5264-	5464-	5664-	4158-	6158-	7158-	8158-
.068	10	0.3	5	6.3	2	4	A	2335-	2575-	2815-	3055-	4159-	6159-	7159-	8159-
.068	20	0.3	5	6.3	2	4	A	2336-	2576-	2816-	3056-	4160-	6160-	7160-	8160-
.082	5	0.3	5	6.3	2	4	A	5065-	5265-	5465-	5665-	4161-	6161-	7161-	8161-
.082	10	0.3	5	6.3	2	4	A	2337-	2577-	2817-	3057-	4162-	6162-	7162-	8162-
.1	5	0.3	5	6.3	2	4	A	5066-	5266-	5466-	5666-	4163-	6163-	7163-	8163-
.1	10	0.3	5	6.3	2	4	A	2338-	2578-	2818-	3058-	4164-	6164-	7164-	8164-
.1	20	0.3	5	6.3	2	4	A	2339-	2579-	2819-	3059-	4165-	6165-	7165-	8165-
.12	5	0.3	5	6.3	2	4	A	5067-	5267-	5467-	5667-	4166-	6166-	7166-	8166-
.12	10	0.3	5	6.3	2	4	A	2340-	2580-	2820-	3060-	4167-	6167-	7167-	8167-
.15	5	0.3	5	6.3	2	4	A	5068-	5268-	5468-	5668-	4168-	6168-	7168-	8168-
.15	10	0.3	5	6.3	2	4	A	2341-	2581-	2821-	3061-	4169-	6169-	7169-	8169-
.15	20	0.3	5	6.3	2	4	A	2342-	2582-	2822-	3062-	4170-	6170-	7170-	8170-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at:			Dissipation factor at:		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
50 volts - continued															
.18	5	0.3	5	6.3	2	4	A	5069-	5269-	5469-	5669-	4171-	6171-	7171-	8171-
.18	10	0.3	5	6.3	2	4	A	2343-	2583-	2823-	3063-	4172-	6172-	7172-	8172-
.22	5	0.3	5	6.3	2	4	A	5070-	5270-	5470-	5670-	4173-	6173-	7173-	8173-
.22	10	0.3	5	6.3	2	4	A	2344-	2584-	2824-	3064-	4174-	6174-	7174-	8174-
.22	20	0.3	5	6.3	2	4	A	2345-	2585-	2825-	3065-	4175-	6175-	7175-	8175-
.27	5	0.3	5	6.3	2	4	A	5071-	5271-	5471-	5671-	4176-	6176-	7176-	8176-
.27	10	0.3	5	6.3	2	4	A	2346-	2586-	2826-	3066-	4177-	6177-	7177-	8177-
.33	5	0.3	5	6.3	2	4	A	5072-	5272-	5472-	5672-	4178-	6178-	7178-	8178-
.33	10	0.3	5	6.3	2	4	A	2347-	2587-	2827-	3067-	4179-	6179-	7179-	8179-
.33	20	0.3	5	6.3	2	4	A	2348-	2588-	2828-	3068-	4180-	6180-	7180-	8180-
.39	5	0.3	5	6.3	2	4	A	5073-	5273-	5473-	5673-	4181-	6181-	7181-	8181-
.39	10	0.3	5	6.3	2	4	A	2349-	2589-	2829-	3069-	4182-	6182-	7182-	8182-
.47	5	0.3	5	6.3	2	4	A	5074-	5274-	5474-	5674-	4183-	6183-	7183-	8183-
.47	10	0.3	5	6.3	2	4	A	2350-	2590-	2830-	3070-	4184-	6184-	7184-	8184-
.47	20	0.3	5	6.3	2	4	A	2351-	2591-	2831-	3071-	4185-	6185-	7185-	8185-
.56	5	0.3	5	6.3	2	4	A	5075-	5275-	5475-	5675-	4186-	6186-	7186-	8186-
.56	10	0.3	5	6.3	2	4	A	2352-	2592-	2832-	3072-	4187-	6187-	7187-	8187-
.68	5	0.3	5	6.3	2	4	A	5076-	5276-	5476-	5676-	4188-	6188-	7188-	8188-
.68	10	0.3	5	6.3	2	4	A	2353-	2593-	2833-	3073-	4189-	6189-	7189-	8189-
.68	20	0.3	5	6.3	2	4	A	2354-	2594-	2834-	3074-	4190-	6190-	7190-	8190-
.82	5	0.3	5	6.3	2	4	A	5077-	5277-	5477-	5677-	4191-	6191-	7191-	8191-
.82	10	0.3	5	6.3	2	4	A	2355-	2595-	2835-	3075-	4192-	6192-	7192-	8192-
1	5	0.4	8	10	2	4	A	5078-	5278-	5478-	5678-	4193-	6193-	7193-	8193-
1	10	0.4	8	10	2	4	A	2356-	2596-	2836-	3076-	4194-	6194-	7194-	8194-
1	20	0.4	8	10	2	4	A	2357-	2597-	2837-	3077-	4195-	6195-	7195-	8195-
1.2	5	0.4	9	11	4	4	B	5079-	5279-	5479-	5679-	4196-	6196-	7196-	8196-
1.2	10	0.4	9	11	4	4	B	2358-	2598-	2838-	3078-	4197-	6197-	7197-	8197-
1.5	5	0.6	12	15	4	4	B	5080-	5280-	5480-	5680-	4198-	6198-	7198-	8198-
1.5	10	0.6	12	15	4	4	B	2359-	2599-	2839-	3079-	4199-	6199-	7199-	8199-
1.5	20	0.6	12	15	4	4	B	2360-	2600-	2840-	3080-	4200-	6200-	7200-	8200-
1.8	5	0.7	14	18	4	4	B	5081-	5281-	5481-	5681-	4201-	6201-	7201-	8201-
1.8	10	0.7	14	18	4	4	B	2361-	2601-	2841-	3081-	4202-	6202-	7202-	8202-
2.2	5	0.8	17	22	4	4	B	5082-	5282-	5482-	5682-	4203-	6203-	7203-	8203-
2.2	10	0.8	17	22	4	4	B	2362-	2602-	2842-	3082-	4204-	6204-	7204-	8204-
2.2	20	0.8	17	22	4	4	B	2363-	2603-	2843-	3083-	4205-	6205-	7205-	8205-
2.7	5	1	20	25	4	4	B	5083-	5283-	5483-	5683-	4206-	6206-	7206-	8206-
2.7	10	1	20	25	4	4	B	2364-	2604-	2844-	3084-	4207-	6207-	7207-	8207-
3.3	5	1.2	25	32	4	4	B	5084-	5284-	5484-	5684-	4208-	6208-	7208-	8208-
3.3	10	1.2	25	32	4	4	B	2365-	2605-	2845-	3085-	4209-	6209-	7209-	8209-
3.3	20	1.2	25	32	4	4	B	2366-	2606-	2846-	3086-	4210-	6210-	7210-	8210-
3.9	5	1.5	30	38	4	4	B	5085-	5285-	5485-	5685-	4211-	6211-	7211-	8211-
3.9	10	1.5	30	38	4	4	B	2367-	2607-	2847-	3087-	4212-	6212-	7212-	8212-
4.7	5	1.7	35	44	4	4	B	5086-	5286-	5486-	5686-	4213-	6213-	7213-	8213-
4.7	10	1.7	35	44	4	4	B	2368-	2608-	2848-	3088-	4214-	6214-	7214-	8214-
4.7	20	1.7	35	44	4	4	B	2369-	2609-	2849-	3089-	4215-	6215-	7215-	8215-
5.6	5	2.2	45	56	4	4	C	5087-	5287-	5487-	5687-	4216-	6216-	7216-	8216-
5.6	10	2.2	45	56	4	4	C	2370-	2610-	2850-	3090-	4217-	6217-	7217-	8217-
6.8	5	2.2	45	56	6	6	C	5088-	5288-	5488-	5688-	4218-	6218-	7218-	8218-
6.8	10	2.2	45	56	6	6	C	2371-	2611-	2851-	3091-	4219-	6219-	7219-	8219-
6.8	20	2.2	45	56	6	6	C	2372-	2612-	2852-	3092-	4220-	6220-	7220-	8220-
8.2	5	2.5	50	63	6	6	C	5089-	5289-	5489-	5689-	4221-	6221-	7221-	8221-
8.2	10	2.5	50	63	6	6	C	2373-	2613-	2853-	3093-	4222-	6222-	7222-	8222-
10	5	2.5	50	63	6	6	C	5090-	5290-	5490-	5690-	4223-	6223-	7223-	8223-
10	10	2.5	50	63	6	6	C	2374-	2614-	2854-	3094-	4224-	6224-	7224-	8224-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
50 volts - continued															
10	20	2.5	50	63	6	6	C	2375-	2615-	2855-	3095-	4225-	6225-	7225-	8225-
12	5	3	60	75	6	6	C	5091-	5291-	5491-	5691-	4226-	6226-	7226-	8226-
12	10	3	60	75	6	6	C	2376-	2616-	2856-	3096-	4227-	6227-	7227-	8227-
15	5	4	80	100	6	6	C	5092-	5292-	5492-	5692-	4228-	6228-	7228-	8228-
15	10	4	80	100	6	6	C	2377-	2617-	2857-	3097-	4229-	6229-	7229-	8229-
15	20	4	80	100	6	6	C	2378-	2618-	2858-	3098-	4230-	6230-	7230-	8230-
18	5	4.5	90	113	6	6	C	5093-	5293-	5493-	5693-	4231-	6231-	7231-	8231-
18	10	4.5	90	113	6	6	C	2379-	2619-	2859-	3099-	4232-	6232-	7232-	8232-
22	5	5.5	110	138	6	6	D	5094-	5294-	5494-	5694-	4233-	6233-	7233-	8233-
22	10	5.5	110	138	6	6	D	2380-	2620-	2860-	3100	4234-	6234-	7234-	8234-
22	20	5.5	110	138	6	6	D	2381-	2621-	2861-	3101	4235-	6235-	7235-	8235-
75 volts															
.1	5	0.3	5	6.3	2	4	A	5095-	5295-	5495-	5695-	4236-	6236-	7236-	8236-
.1	10	0.3	5	6.3	2	4	A	2382-	2622-	2862-	3102-	4237-	6237-	7237-	8237-
.1	20	0.3	5	6.3	2	4	A	2383-	2623-	2863-	3103-	4238-	6238-	7238-	8238-
.12	5	0.3	5	6.3	2	4	A	5096-	5296-	5496-	5696-	4239-	6239-	7239-	8239-
.12	10	0.3	5	6.3	2	4	A	2384-	2624-	2864-	3104-	4240-	6240-	7240-	8240-
.15	5	0.3	5	6.3	2	4	A	5097-	5297-	5497-	5697-	4241-	6241-	7241-	8241-
.15	10	0.3	5	6.3	2	4	A	2385-	2625-	2865-	3105-	4242-	6242-	7242-	8242-
.15	20	0.3	5	6.3	2	4	A	2386-	2626-	2866-	3106-	4243-	6243-	7243-	8243-
.18	5	0.3	5	6.3	2	4	A	5098-	5298-	5498-	5698-	4244-	6244-	7244-	8244-
.18	10	0.3	5	6.3	2	4	A	2387-	2627-	2867-	3107-	4245-	6245-	7245-	8245-
.22	5	0.3	5	6.3	2	4	A	5099-	5299-	5499-	5699-	4246-	6246-	7246-	8246-
.22	10	0.3	5	6.3	2	4	A	2388-	2628-	2868-	3108-	4247-	6247-	7247-	8247-
.22	20	0.3	5	6.3	2	4	A	2389-	2629-	2869-	3109-	4248-	6248-	7248-	8248-
.27	5	0.3	5	6.3	2	4	A	5100-	5300-	5500-	5700-	4249-	6249-	7249-	8249-
.27	10	0.3	5	6.3	2	4	A	2390-	2630-	2870-	3110-	4250-	6250-	7250-	8250-
.33	5	0.3	5	6.3	2	4	A	5101-	5301-	5501-	5701-	4251-	6251-	7251-	8251-
.33	10	0.3	5	6.3	2	4	A	2391-	2631-	2871-	3111-	4252-	6252-	7252-	8252-
.33	20	0.3	5	6.3	2	4	A	2392-	2632-	2872-	3112-	4253-	6253-	7253-	8253-
.39	5	0.3	5	6.3	2	4	A	5102-	5302-	5502-	5702-	4254-	6254-	7254-	8254-
.39	10	0.3	5	6.3	2	4	A	2393-	2633-	2873-	3113-	4255-	6255-	7255-	8255-
.47	5	0.3	5	6.3	2	4	A	5103-	5303-	5503-	5703-	4256-	6256-	7256-	8256-
.47	10	0.3	5	6.3	2	4	A	2394-	2634-	2874-	3114-	4257-	6257-	7257-	8257-
.47	20	0.3	5	6.3	2	4	A	2395-	2635-	2875-	3115-	4258-	6258-	7258-	8258-
.56	5	0.3	5	6.3	2	4	A	5104-	5304-	5504-	5704-	4259-	6259-	7259-	8259-
.56	10	0.3	5	6.3	2	4	A	2396-	2636-	2876-	3116-	4260-	6260-	7260-	8260-
.68	5	0.3	5	6.3	2	4	A	5105-	5305-	5505-	5705-	4261-	6261-	7261-	8261-
.68	10	0.3	5	6.3	2	4	A	2397-	2637-	2877-	3117-	4262-	6262-	7262-	8262-
.68	20	0.3	5	6.3	2	4	A	2398-	2638-	2878-	3118-	4263-	6263-	7263-	8263-
.82	5	0.3	5	6.3	2	4	B	5106-	5306-	5506-	5706-	4264-	6264-	7264-	8264-
.82	10	0.3	5	6.3	2	4	B	2399-	2639-	2879-	3119-	4265-	6265-	7265-	8265-
1	5	0.3	5	6.3	2	4	B	5107-	5307-	5507-	5707-	4266-	6266-	7266-	8266-
1	10	0.3	5	6.3	2	4	B	2400-	2640-	2880-	3120-	4267-	6267-	7267-	8267-
1	20	0.3	5	6.3	2	4	B	2401-	2641-	2881-	3121-	4268-	6268-	7268-	8268-
1.2	5	0.3	5	6.3	4	4	B	5108-	5308-	5508-	5708-	4269-	6269-	7269-	8269-
1.2	10	0.3	5	6.3	4	4	B	2402-	2642-	2882-	3122-	4270-	6270-	7270-	8270-
1.5	5	0.6	10	13	4	4	B	5109-	5309-	5509-	5709-	4271-	6271-	7271-	8271-
1.5	10	0.6	10	13	4	4	B	2403-	2643-	2883-	3123-	4272-	6272-	7272-	8272-
1.5	20	0.6	10	13	4	4	B	2404-	2644-	2884-	3124-	4273-	6273-	7273-	8273-
1.8	5	0.7	10	13	4	4	B	5110-	5310-	5510-	5710-	4274-	6274-	7274-	8274-
1.8	10	0.7	10	13	4	4	B	2405-	2645-	2885-	3125-	4275-	6275-	7275-	8275-
2.2	5	0.8	15	19	4	4	B	5111-	5311-	5511-	5711-	4276-	6276-	7276-	8276-
2.2	10	0.8	15	19	4	4	B	2406-	2646-	2886-	3126-	4277-	6277-	7277-	8277-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
75 volts - continued															
2.2	20	0.8	15	19	4	4	B	2407-	2647-	2887-	3127-	4278-	6278-	7278-	8278-
2.7	5	1	15	19	4	4	B	5112-	5312-	5512-	5712-	4279-	6279-	7279-	8279-
2.7	10	1	15	19	4	4	B	2408-	2648-	2888-	3128-	4280-	6280-	7280-	8280-
3.3	5	1.2	20	25	4	4	B	5113-	5313-	5513-	5713-	4281-	6281-	7281-	8281-
3.3	10	1.2	20	25	4	4	B	2409-	2649-	2889-	3129-	4282-	6282-	7282-	8282-
3.3	20	1.2	20	25	4	4	B	2410-	2650-	2890-	3130-	4283-	6283-	7283-	8283-
3.9	5	1.5	20	25	4	4	B	5114-	5314-	5514-	5714-	4284-	6284-	7284-	8284-
3.9	10	1.5	20	25	4	4	B	2411-	2651-	2891-	3131-	4285-	6285-	7285-	8285-
4.7	5	3	60	75	4	4	C	5115-	5315-	5515-	5715-	4286-	6286-	7286-	8286-
4.7	10	3	60	75	4	4	C	2412-	2652-	2892-	3132-	4287-	6287-	7287-	8287-
4.7	20	3	60	75	4	4	C	2413-	2653-	2893-	3133-	4288-	6288-	7288-	8288-
5.6	5	3	60	75	4	4	C	5116-	5316-	5516-	5716-	4289-	6289-	7289-	8289-
5.6	10	3	60	75	4	4	C	2414-	2654-	2894-	3134-	4290-	6290-	7290-	8290-
6.8	5	5	100	125	6	6	C	5117-	5317-	5517-	5717-	4291-	6291-	7291-	8291-
6.8	10	5	100	125	6	6	C	2415-	2655-	2895-	3135-	4292-	6292-	7292-	8292-
6.8	20	5	100	125	6	6	C	2416-	2656-	2896-	3136-	4293-	6293-	7293-	8293-
8.2	5	5	100	125	6	6	C	5118-	5318-	5518-	5718-	4294-	6294-	7294-	8294-
8.2	10	5	100	125	6	6	C	2417-	2657-	2897-	3137-	4295-	6295-	7295-	8295-
10	5	5	100	125	6	6	C	5119-	5319-	5519-	5719-	4296-	6296-	7296-	8296-
10	10	5	100	125	6	6	C	2418-	2658-	2898-	3138-	4297-	6297-	7297-	8297-
10	20	5	100	125	6	6	C	2419-	2659-	2899-	3139-	4298-	6298-	7298-	8298-
12	5	5	100	125	6	6	D	5120-	5320-	5520-	5720-	4299-	6299-	7299-	8299-
12	10	5	100	125	6	6	D	2420-	2660-	2900-	3140-	4300-	6300-	7300-	8300-
15	5	7	140	175	6	6	D	5121-	5321-	5521-	5721-	4301-	6301-	7301-	8301-
15	10	7	140	175	6	6	D	2421-	2661-	2901-	3141-	4302-	6302-	7302-	8302-
15	20	7	140	175	6	6	D	2422-	2662-	2902-	3142-	4303-	6303-	7303-	8303-
100 volts															
.0047	5	0.3	5	6.3	2	4	A	5122-	5322-	5522-	5722-	4304-	6304-	7304-	8304-
.0047	10	0.3	5	6.3	2	4	A	2423-	2663-	2903-	3143-	4305-	6305-	7305-	8305-
.0047	20	0.3	5	6.3	2	4	A	2424-	2664-	2904-	3144-	4306-	6306-	7306-	8306-
.0056	5	0.3	5	6.3	2	4	A	5123-	5323-	5523-	5723-	4307-	6307-	7307-	8307-
.0056	10	0.3	5	6.3	2	4	A	2425-	2665-	2905-	3145-	4308-	6308-	7308-	8308-
.0068	5	0.3	5	6.3	2	4	A	5124-	5324-	5524-	5724-	4309-	6309-	7309-	8309-
.0068	10	0.3	5	6.3	2	4	A	2426-	2666-	2906-	3146-	4310-	6310-	7310-	8310-
.0068	20	0.3	5	6.3	2	4	A	2427-	2667-	2907-	3147-	4311-	6311-	7311-	8311-
.0082	5	0.3	5	6.3	2	4	A	5125-	5325-	5525-	5725-	4312-	6312-	7312-	8312-
.0082	10	0.3	5	6.3	2	4	A	2428-	2668-	2908-	3148-	4313-	6313-	7313-	8313-
.01	5	0.3	5	6.3	2	4	A	5126-	5326-	5526-	5726-	4314-	6314-	7314-	8314-
.01	10	0.3	5	6.3	2	4	A	2429-	2669-	2909-	3149-	4315-	6315-	7315-	8315-
.01	20	0.3	5	6.3	2	4	A	2430-	2670-	2910-	3150-	4316-	6316-	7316-	8316-
.012	5	0.3	5	6.3	2	4	A	5127-	5327-	5527-	5727-	4317-	6317-	7317-	8317-
.012	10	0.3	5	6.3	2	4	A	2431-	2671-	2911-	3151-	4318-	6318-	7318-	8318-
.015	5	0.3	5	6.3	2	4	A	5128-	5328-	5528-	5728-	4319-	6319-	7319-	8319-
.015	10	0.3	5	6.3	2	4	A	2432-	2672-	2912-	3152-	4320-	6320-	7320-	8320-
.015	20	0.3	5	6.3	2	4	A	2433-	2673-	2913-	3153-	4321-	6321-	7321-	8321-
.018	5	0.3	5	6.3	2	4	A	5129-	5329-	5529-	5729-	4322-	6322-	7322-	8322-
.018	10	0.3	5	6.3	2	4	A	2434-	2674-	2914-	3154-	4323-	6323-	7323-	8323-
.022	5	0.3	5	6.3	2	4	A	5130-	5330-	5530-	5730-	4324-	6324-	7324-	8324-
.022	10	0.3	5	6.3	2	4	A	2435-	2675-	2915-	3155-	4325-	6325-	7325-	8325-
.022	20	0.3	5	6.3	2	4	A	2436-	2676-	2916-	3156-	4326-	6326-	7326-	8326-
.027	5	0.3	5	6.3	2	4	A	5131-	5331-	5531-	5731-	4327-	6327-	7327-	8327-
.027	10	0.3	5	6.3	2	4	A	2437-	2677-	2917-	3157-	4328-	6328-	7328-	8328-
.033	5	0.3	5	6.3	2	4	A	5132-	5332-	5532-	5732-	4329-	6329-	7329-	8329-
.033	10	0.3	5	6.3	2	4	A	2438-	2678-	2918-	3158-	4330-	6330-	7330-	8330-
.033	20	0.3	5	6.3	2	4	A	2439-	2679-	2919-	3159-	4331-	6331-	7331-	8331-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Toler- ance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- 1/ failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
100 volts - continued															
.039	5	0.3	5	6.3	2	4	A	5133-	5333-	5533-	5733-	4332-	6332-	7332-	8332-
.039	10	0.3	5	6.3	2	4	A	2440-	2680-	2920-	3160-	4333-	6333-	7333-	8333-
.047	5	0.3	5	6.3	2	4	A	5134-	5334-	5534-	5734-	4334-	6334-	7334-	8334-
.047	10	0.3	5	6.3	2	4	A	2441-	2681-	2921-	3161-	4335-	6335-	7335-	8335-
.047	20	0.3	5	6.3	2	4	A	2442-	2682-	2922-	3162-	4336-	6336-	7336-	8336-
.056	5	0.3	5	6.3	2	4	A	5135-	5335-	5535-	5735-	4337-	6337-	7337-	8337-
.056	10	0.3	5	6.3	2	4	A	2443-	2683-	2923-	3163-	4338-	6338-	7338-	8338-
.068	5	0.3	5	6.3	2	4	A	5136-	5336-	5536-	5736-	4339-	6339-	7339-	8339-
.068	10	0.3	5	6.3	2	4	A	2444-	2684-	2924-	3164-	4340-	6340-	7340-	8340-
.068	20	0.3	5	6.3	2	4	A	2445-	2685-	2925-	3165-	4341-	6341-	7341-	8341-
.082	5	0.3	5	6.3	2	4	A	5137-	5337-	5537-	5737-	4342-	6342-	7342-	8342-
.082	10	0.3	5	6.3	2	4	A	2446-	2686-	2926-	3166-	4343-	6343-	7343-	8343-
.1	5	0.3	5	6.3	2	4	A	5138-	5338-	5538-	5738-	4344-	6344-	7344-	8344-
.1	10	0.3	5	6.3	2	4	A	2447-	2687-	2927-	3167-	4345-	6345-	7345-	8345-
.1	20	0.3	5	6.3	2	4	A	2448-	2688-	2928-	3168-	4346-	6346-	7346-	8346-
.12	5	0.3	5	6.3	2	4	A	5139-	5339-	5539-	5739-	4347-	6347-	7347-	8347-
.12	10	0.3	5	6.3	2	4	A	2449-	2689-	2929-	3169-	4348-	6348-	7348-	8348-
.15	5	0.3	5	6.3	2	4	A	5140-	5340-	5540-	5740-	4349-	6349-	7349-	8349-
.15	10	0.3	5	6.3	2	4	A	2450-	2690-	2930-	3170-	4350-	6350-	7350-	8350-
.15	20	0.3	5	6.3	2	4	A	2451-	2691-	2931-	3171-	4351-	6351-	7351-	8351-
.18	5	0.3	5	6.3	2	4	A	5141-	5341-	5541-	5741-	4352-	6352-	7352-	8352-
.18	10	0.3	5	6.3	2	4	A	2452-	2692-	2932-	3172-	4353-	6353-	7353-	8353-
.22	5	0.3	5	6.3	2	4	A	5142-	5342-	5542-	5742-	4354-	6354-	7354-	8354-
.22	10	0.3	5	6.3	2	4	A	2453-	2693-	2933-	3173-	4355-	6355-	7355-	8355-
.22	20	0.3	5	6.3	2	4	A	2454-	2694-	2934-	3174-	4356-	6356-	7356-	8356-
.27	5	0.3	5	6.3	2	4	A	5143-	5343-	5543-	5743-	4357-	6357-	7357-	8357-
.27	10	0.3	5	6.3	2	4	A	2455-	2695-	2935-	3175-	4358-	6358-	7358-	8358-
.33	5	0.3	5	6.3	2	4	A	5144-	5344-	5544-	5744-	4359-	6359-	7359-	8359-
.33	10	0.3	5	6.3	2	4	A	2456-	2696-	2936-	3176-	4360-	6360-	7360-	8360-
.33	20	0.3	5	6.3	2	4	A	2457-	2697-	2937-	3177-	4361-	6361-	7361-	8361-
.39	5	0.3	5	6.3	2	4	A	5145-	5345-	5545-	5745-	4362-	6362-	7362-	8362-
.39	10	0.3	5	6.3	2	4	A	2458-	2698-	2938-	3178-	4363-	6363-	7363-	8363-
.47	5	0.3	5	6.3	2	4	A	5146-	5346-	5546-	5746-	4364-	6364-	7364-	8364-
.47	10	0.3	5	6.3	2	4	A	2459-	2699-	2939-	3179-	4365-	6365-	7365-	8365-
.47	20	0.3	5	6.3	2	4	A	2460-	2700-	2940-	3180-	4366-	6366-	7366-	8366-
.56	5	0.3	5	6.3	2	4	A	5147-	5347-	5547-	5747-	4367-	6367-	7367-	8367-
.56	10	0.3	5	6.3	2	4	A	2461-	2701-	2941-	3181-	4368-	6368-	7368-	8368-
.68	5	0.3	5	6.3	2	4	B	5148-	5348-	5548-	5748-	4369-	6369-	7369-	8369-
.68	10	0.3	5	6.3	2	4	B	2462-	2702-	2942-	3182-	4370-	6370-	7370-	8370-
.68	20	0.3	5	6.3	2	4	B	2463-	2703-	2943-	3183-	4371-	6371-	7371-	8371-
.82	5	0.4	5	6.3	2	4	B	5149-	5349-	5549-	5749-	4372-	6372-	7372-	8372-
.82	10	0.4	5	6.3	2	4	B	2464-	2704-	2944-	3184-	4373-	6373-	7373-	8373-
1	5	0.5	5	6.3	2	4	B	5150-	5350-	5550-	5750-	4374-	6374-	7374-	8374-
1	10	0.5	5	6.3	2	4	B	2465-	2705-	2945-	3185-	4375-	6375-	7375-	8375-
1	20	0.5	5	6.3	2	4	B	2466-	2706-	2946-	3186-	4376-	6376-	7376-	8376-
1.2	5	0.5	5	6.3	4	4	B	5151-	5351-	5551-	5751-	4377-	6377-	7377-	8377-
1.2	10	0.5	5	6.3	4	4	B	2467-	2707-	2947-	3187-	4378-	6378-	7378-	8378-
1.5	5	0.7	10	13	4	4	B	5152-	5352-	5552-	5752-	4379-	6379-	7379-	8379-
1.5	10	0.7	10	13	4	4	B	2468-	2708-	2948-	3188-	4380-	6380-	7380-	8380-
1.5	20	0.7	10	13	4	4	B	2469-	2709-	2949-	3189-	4381-	6381-	7381-	8381-
1.8	5	0.7	10	13	4	4	B	5153-	5353-	5553-	5753-	4382-	6382-	7382-	8382-
1.8	10	0.7	10	13	4	4	B	2470-	2710-	2950-	3190-	4383-	6383-	7383-	8383-
2.2	5	0.9	15	19	4	4	B	5154-	5354-	5554-	5754-	4384-	6384-	7384-	8384-
2.2	10	0.9	15	19	4	4	B	2471-	2711-	2951-	3191-	4385-	6385-	7385-	8385-
2.2	20	0.9	15	19	4	4	B	2472-	2712-	2952-	3192-	4386-	6386-	7386-	8386-

See footnote at end of table.

TABLE I. Style CSR13 characteristics and dash numbers - Continued.

Cap. (nom) (μF)	Cap. Tolerance (%)	DC leakage at: (μA)			Dissipation factor at: (%)		Case size	Dash number M39003/01- <u>1/</u> failure rate level (%/1,000 hours)							
		+25° C	+85° C	+125 °C	-55°C +25°C	+85°C +125°C		M (1.0)	P (0.1)	R (0.01)	S (0.001)	G (1.0)	B (0.1)	C (0.01)	D (0.001)
		100 volts - continued													
2.7	5	1.1	15	19	4	4	B	5155-	5355-	5555-	5755-	4387-	6387-	7387-	8387-
2.7	10	1.1	15	19	4	4	B	2473-	2713-	2953-	3193-	4388-	6388-	7388-	8388-
3.3	5	1.5	30	38	6	6	C	5156-	5356-	5556-	5756-	4389-	6389-	7389-	8389-
3.3	10	1.5	30	38	6	6	C	5157-	5357-	5557-	5757-	4390-	6390-	7390-	8390-
3.3	20	1.5	30	38	6	6	C	5158-	5358-	5558-	5758-	4391-	6391-	7391-	8391-
3.9	5	1.5	30	38	6	6	C	5159-	5359-	5559-	5759-	4392-	6392-	7392-	8392-
3.9	10	1.5	30	38	6	6	C	5160-	5360-	5560-	5760-	4393-	6393-	7393-	8393-
4.7	5	2.5	50	63	6	6	C	5161-	5361-	5561-	5761-	4394-	6394-	7394-	8394-
4.7	10	2.5	50	63	6	6	C	5162-	5362-	5562-	5762-	4395-	6395-	7395-	8395-
4.7	20	2.5	50	63	6	6	C	5163-	5363-	5563-	5763-	4396-	6396-	7396-	8396-
5.6	5	2.5	50	63	6	6	C	5164-	5364-	5564-	5764-	4397-	6397-	7397-	8397-
5.6	10	2.5	50	63	6	6	C	5165-	5365-	5565-	5765-	4398-	6398-	7398-	8398-
6.8	5	2.5	50	63	6	6	C	5166-	5366-	5566-	5766-	4399-	6399-	7399-	8399-
6.8	10	2.5	50	63	6	6	C	5167-	5367-	5567-	5767-	4400-	6400-	7400-	8400-
6.8	20	2.5	50	63	6	6	C	5168-	5368-	5568-	5768-	4401-	6401-	7401-	8401-

1/ Dash number shall include a letter that indicates user preference for surge current/high temperature solder or the dash will be deleted.

TABLE II. Substitutability data. 1/

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6002	2001	CSR13B565KL	0001	0001	0002	4ECAA565KP
	2241	" M	0002			
	2481	" P	0003			
	2721	" R	0004			
	2961	" S	0005			
6004	2002	CSR13B685KL	0006	0003	0004	4ECAA685KP
	2242	" M	0007			
	2482	" P	0008			
	2722	" R	0009			
	2962	" S	0010			
6005	2003	CSR13B685ML	0011	0005	0006	
	2243	" M	0012			
	2483	" P	0013			
	2723	" R	0014			
	2963	" S	0015			
6007	2004	CSR13B476KL	0016	0007	0008	4ECAB476KP
	2244	" M	0017			
	2484	" P	0018			
	2724	" R	0019			
	2964	" S	0020			
6008	2005	CSR13B476ML	0021	0009	0010	
	2245	" M	0022			
	2485	" P	0023			
	2725	" R	0024			
	2965	" S	0025			
6010	2006	CSR13B566KL	0026	0011	0012	4ECAB566KP
	2246	" M	0027			
	2486	" P	0028			
	2726	" R	0029			
	2966	" S	0030			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6012	2007	CSR13B157KL	0031	0013	0014	4ECAC157KP
	2247	" M	0032			
	2487	" P	0033			
	2727	" R	0034			
	2967	" S	0035			
6013	2008	CSR13B157ML	0036	0015	0016	4ECAC157LP
	2248	" M	0037			
	2488	" P	0038			
	2728	" R	0039			
	2968	" S	0040			
6015	2009	CSR13B187KL	0041	0017	0018	4ECAC187KP
	2249	" M	0042			
	2289	" P	0043			
	2729	" R	0044			
	2969	" S	0045			
6017	2010	CSR13B277KL	0046	0019	0020	4ECAD337KP
	2250	" M	0047			
	2490	" P	0048			
	2730	" R	0049			
	2970	" S	0050			
6019	2011	CSR13B337KL	0051	0021	0022	4ECAD337KP
	2251	" M	0052			
	2491	" P	0053			
	2731	" R	0054			
	2971	" S	0055			
6020	2012	CSR13B337ML	0056	0023	0024	4ECAD337LP
	2252	" M	0057			
	2492	" P	0058			
	2732	" R	0059			
	2972	" S	0060			
6022	2013	CSR13C395KL	0061	0025	0026	4ECBA395KP
	2253	" M	0062			
	2493	" P	0063			
	2733	" R	0064			
	2973	" S	0065			
6024	2014	CSR13C475KL	0066	0027	0028	4ECBA475KP
	2254	" M	0067			
	2494	" P	0068			
	2734	" R	0069			
	2974	" S	0070			
6025	2015	CSR13C475ML	0071	0029	0030	
	2255	" M	0072			
	2495	" P	0073			
	2735	" R	0074			
	2975	" S	0075			
6027	2016	CSR13C276KL	0076	0031	0032	4ECBB276KP
	2256	" M	0077			
	2496	" P	0078			
	2736	" R	0079			
	2976	" S	0080			
6029	2017	CSR13C336KL	0081	0033	0034	
	2257	" M	0082			
	2497	" P	0083			
	2737	" R	0084			
	2977	" S	0085			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6030	2018	CSR13C336ML	0086	0035	0036	
	2258	" M	0087			
	2498	" P	0088			
	2738	" R	0089			
	2978	" S	0090			
6032	2019	CSR13C396KL	0091	0037	0038	4ECBB396KP
	2259	" M	0092			
	2499	" P	0093			
	2739	" R	0094			
	2979	" S	0095			
6034	2020	CSR13C326KL	0096	0039	0040	4ECBC826KP
	2260	" M	0097			
	2500	" P	0098			
	2740	" R	0099			
	2980	" S	0100			
6036	2021	CSR13C107KL	0101	0041	0042	4ECBC107KP
	2261	" M	0102			
	2501	" P	0103			
	2741	" R	0104			
	2981	" S	0105			
6037	2022	CSR13C107ML	0106	0043	0044	4ECBC107LP
	2262	" M	0107			
	2502	" P	0108			
	2742	" R	0109			
	2982	" S	0110			
6039	2023	CSR13C127KL	0111	0045	0046	4ECBC127KP
	2263	" M	0112			
	2503	" P	0113			
	2743	" R	0114			
	2983	" S	0115			
6041	2024	CSR13C187KL	0116	0047	0048	4ECBD187KP
	2264	" M	0117			
	2504	" P	0118			
	2744	" R	0119			
	2984	" S	0120			
6043	2025	CSR13C227KL	0121	0049	0050	4ECBD227KP
	2265	" M	0122			
	2505	" P	0123			
	2745	" R	0124			
	2985	" S	0125			
6044	2026	CSR13C227ML	0126	0051	0052	4ECBD227LP
	2266	" M	0127			
	2506	" P	0128			
	2746	" R	0129			
	2986	" S	0130			
6046	2027	CSR13D275KL	0131	0053	0054	4ECCA275KP
	2267	" M	0132			
	2507	" P	0133			
	2747	" R	0134			
	2987	" S	0135			
6048	2028	CSR13D335KL	0136	0055	0056	4ECCA335KP
	2268	" M	0137			
	2508	" P	0138			
	2748	" R	0139			
	2988	" S	0140			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6049	2029	CSR13D335ML	0141	0057	0058	
	2269	" M	0142			
	2509	" P	0143			
	2749	" R	0144			
	2989	" S	0145			
6051	2030	CSR13D186KL	0146	0059	0060	4ECCB186KP
	2270	" M	0147			
	2510	" P	0148			
	2750	" R	0149			
	2990	" S	0150			
6053	2031	CSR13D226KL	0151	0061	0062	4ECCB226KF
	2271	" M	0152			
	2511	" P	0153			
	2751	" R	0154			
	2991	" S	0155			
6054	2032	CSR13D226ML	0156	0063	0064	
	2272	" M	0157			
	2512	" P	0158			
	2752	" R	0159			
	2992	" S	0160			
6056	2033	CSR13D566KL	0161	0065	0066	4ECCC566KP
	2273	" M	0162			
	2513	" P	0163			
	2753	" R	0164			
	2993	" S	0165			
6058	2034	CSR13D686KL	0166	0067	0068	4ECCC686KP
	2274	" M	0167			
	2514	" P	0168			
	2754	" R	0169			
	2994	" S	0170			
6059	2035	CSR13D686ML	0171	0069	0070	4ECCC686LP
	2275	" M	0172			
	2515	" P	0173			
	2755	" R	0174			
	2995	" S	0175			
6061	2036	CSR13D127KL	0176	0071	0072	4ECCD127KP
	2276	" M	0177			
	2516	" P	0178			
	2756	" R	0179			
	2996	" S	0180			
6063	2037	CSR13D157KL	0181	0073	0074	4ECCD157KP
	2277	" M	0182			
	2517	" P	0183			
	2757	" R	0184			
	2997	" S	0185			
6064	2038	CSR13D157ML	0186	0075	0076	4ECCD157LP
	2278	" M	0187			
	2518	" P	0188			
	2758	" R	0189			
	2998	" S	0190			
6066	2039	CSR13E125KL	0191	0077	0078	4ECDA125KP
	2279	" M	0192			
	2519	" P	0193			
	2759	" R	0194			
	2999	" S	0195			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6068	2040	CSR13E155KL	0196	0079	0080	4ECDA155KP
	2280	" M	0197			
	2520	" P	0198			
	2760	" R	0199			
	3000	" S	0200			
6069	2041	CSR13E155ML	0201	0081	0082	
	2281	" M	0202			
	2521	" P	0203			
	2761	" R	0204			
	3001	" S	0205			
6071	2042	CSR13E185KL	0206	0083	0084	4ECDA185KP
	2282	" M	0207			
	2522	" P	0208			
	2762	" R	0209			
	3002	" S	0210			
6073	2043	CSR13E225KL	0211	0085	0086	4ECDA225KP
	2283	" M	0212			
	2523	" P	0213			
	2763	" R	0214			
	3003	" S	0215			
6074	2044	CSR13E225ML	0216	0087	0088	
	2284	" M	0217			
	2524	" P	0218			
	2764	" R	0219			
	3004	" S	0220			
6076	2045	CSR13E825KL	0221	0089	0090	4ECDB825KP
	2285	" M	0222			
	2525	" P	0223			
	2765	" R	0224			
	3005	" S	0225			
6078	2046	CSR13E106KL	0226	0091	0092	4ECDB106KP
	2286	" M	0227			
	2526	" P	0228			
	2766	" R	0229			
	3006	" S	0230			
6079	2047	CSR13E106ML	0231	0093	0094	
	2287	" M	0232			
	2527	" P	0233			
	2767	" R	0234			
	3007	" S	0235			
6081	2048	CSR13E126L	0236	0095	0096	4ECDB126KP
	2288	" M	0237			
	2528	" P	0238			
	2768	" R	0239			
	3008	" S	0240			
6083	2049	CSR13E156KL	0241	0097	0098	4ECDB156KP
	2289	" M	0242			
	2529	" P	0243			
	2769	" R	0244			
	3009	" S	0245			
6084	2050	CSR13E156ML	0246	0099	0100	
	2290	" M	0247			
	2530	" P	0248			
	2770	" R	0249			
	3010	" S	0250			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6086	2051	CSR13E276KL	0251	0101	0102	4ECDC276KP
	2291	" M	0252			
	2531	" P	0253			
	2771	" R	0254			
	3011	" S	0255			
6088	2052	CSR13E336KL	0256	0103	0104	4ECDC336KP
	2292	" M	0257			
	2532	" P	0258			
	2772	" R	0259			
	3012	" S	0260			
6089	2053	CSR13E336ML	0261	0105	0106	4ECDC336LP
	2293	" M	0262			
	2533	" P	0263			
	2773	" R	0264			
	3013	" S	0265			
6091	2054	CSR13E396KL	0266	0107	0108	4ECDC396KP
	2294	" M	0267			
	2534	" P	0268			
	2774	" R	0269			
	3014	" S	0270			
6093	2055	CSR13E476KL	0271	0109	0110	4ECDC476KP
	2295	" M	0272			
	2535	" P	0273			
	2775	" R	0274			
	3015	" S	0275			
6094	2056	CSR13E476ML	0276	0111	0112	4ECDC476LP
	2296	" M	0277			
	2536	" P	0278			
	2776	" R	0279			
	3016	" S	0280			
6096	2057	CSR13E566KL	0281	0113	0114	4ECDD566KP
	2297	" M	0282			
	2537	" P	0283			
	2777	" R	0284			
	3017	" S	0285			
6098	2058	CSR13E686KL	0286	0115	0116	4ECDD686KP
	2298	" M	0287			
	2538	" P	0288			
	2778	" R	0289			
	3018	" S	0290			
6099	2059	CSR13E686ML	0291	0117	0118	4ECDD686LP
	2299	" M	0292			
	2539	" P	0293			
	2779	" R	0294			
	3019	" S	0295			
6101	2060	CSR13E826KL	0296	0119	0120	4ECDD826KP
	2300	" M	0297			
	2540	" P	0298			
	2780	" R	0299			
	3020	" S	0300			
6103	2061	CSR13E107KL	0301	0121	0122	4ECDD107KP
	2301	" M	0302			
	2541	" P	0303			
	2781	" R	0304			
	3021	" S	0305			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6104	2062	CSR13E107ML	0306	0123	0124	4ECDD107LP
	2302	" M	0307			
	2542	" P	0308			
	2782	" R	0309			
	3022	" S	0310			
6106	2063	CSR13F565KL	0311	0171	0172	4ECEB566KP
	2303	" M	0312			
	2543	" P	0313			
	2783	" R	0314			
	3023	" S	0315			
6108	2064	CSR13F685KL	0316	1073	0174	4ECEB685KP
	2304	" M	0317			
	2544	" P	0318			
	2784	" R	0319			
	3024	" S	0320			
6109	2065	CSR13F685ML	0321	0175	0176	
	2305	" M	0322			
	2545	" P	0323			
	2785	" R	0324			
	3025	" S	0325			
6111	2066	CSR13F226KL	0326	0191	0192	4ECEC226KP
	2306	" M	0327			
	2546	" P	0328			
	2786	" R	0329			
	3026	" S	0330			
6112	2067	CSR13F226ML	0331	0193	0194	4ECEC226LP
	2307	" M	0332			
	2547	" P	0333			
	2787	" R	0334			
	3027	" S	0335			
6114	2068	CSR13F276KL	0336	0195	0196	4ECED276KP
	2308	" M	0337			
	2548	" P	0338			
	2788	" R	0339			
	3028	" S	0340			
6116	2069	CSR13F336KL	0341	0197	0198	4ECED336KP
	2309	" M	0342			
	2549	" P	0343			
	2789	" R	0344			
	3029	" S	0345			
6117	2070	CSR13F336ML	0346	0199	0200	4ECED336LP
	2310	" M	0347			
	2550	" P	0348			
	2790	" R	0349			
	3030	" S	0350			
6119	2071	CSR13F396KL	0351	0201	0202	4ECED396KP
	2311	" M	0352			
	2551	" P	0353			
	2791	" R	0354			
	3031	" S	0355			
6121	2072	CSR13F476KL	0356	0203	0204	4ECED476KP
	2312	" M	0357			
	2552	" P	0358			
	2792	" R	0359			
	3032	" S	0360			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6122	2073	CSR13F476ML	0361	0205	0206	4ECED476LP
	2313	" M	0362			
	2553	" P	0363			
	2793	" R	0364			
	3033	" S	0365			
6124	2074	CSR13G472KL	0366			4ECEA472KP
	2314	" M	0367			
	2554	" P	0368			
	2794	" R	0369			
	3034	" S	0370			
6125	2075	CSR13G472ML	0371			
	2315	" M	0372			
	2555	" P	0373			
	2795	" R	0374			
	3035	" S	0375			
6127	2076	CSR13G562KL	0376			4ECEA562KP
	2316	" M	0377			
	2556	" P	0378			
	2796	" R	0379			
	3036	" S	0380			
6129	2077	CSR13G682KL	0381			4ECEA682KP
	2317	" M	0382			
	2557	" P	0383			
	2797	" R	0384			
	3037	" S	0385			
6130	2078	CSR13G682ML	0386			
	2318	" M	0387			
	2558	" P	0388			
	2798	" R	0389			
	3038	" S	0390			
6132	2079	CSR13G822KL	0391			4ECEA822KP
	2319	" M	0392			
	2559	" P	0393			
	2799	" R	0394			
	3039	" S	0395			
6134	2080	CSR13G103KL	0396			4ECEA103KP
	2320	" M	0397			
	2560	" P	0398			
	2800	" R	0399			
	3040	" S	0400			
6135	2081	CSR13G103ML	0401			
	2321	" M	0402			
	2561	" P	0403			
	2801	" R	0404			
	3041	" S	0405			
6137	2082	CSR13G123KL	0406			4ECEA123KP
	2322	" M	0407			
	2562	" P	0408			
	2802	" R	0409			
	3042	" S	0410			
6139	2083	CSR13G153KL	0411			4ECEA153KP
	2323	" M	0412			
	2563	" P	0413			
	2803	" R	0414			
	3043	" S	0415			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6140	2084	CSR13G153ML	0416			
	2324	" M	0417			
	2564	" P	0418			
	2804	" R	0419			
	3044	" S	0420			
6142	2085	CSR13G183KL	0421			4ECEA183KP
	2325	" M	0422			
	2565	" P	0423			
	2805	" R	0424			
	3045	" S	0425			
6144	2086	CSR13G223KL	0426			4ECEA223KP
	2326	" M	0427			
	2566	" P	0428			
	2806	" R	0429			
	3046	" S	0430			
6145	2087	CSR13G223ML	0431			
	2327	" M	0432			
	2567	" P	0433			
	2807	" R	0434			
	3047	" S	0435			
6147	2088	CSR13G273KL	0436			4ECEA273KP
	2328	" M	0437			
	2568	" P	0438			
	2808	" R	0439			
	3048	" S	0440			
6149	2089	CSR13G333KL	0441			4ECEA333KP
	2329	" M	0442			
	2569	" P	0443			
	2809	" R	0444			
	3049	" S	0445			
6150	2090	CSR13G333ML	0446			
	2330	" M	0447			
	2570	" P	0448			
	2810	" R	0449			
	3050	" S	0450			
6152	2091	CSR13G393KL	0451			4ECEA393KP
	2331	" M	0452			
	2571	" P	0453			
	2811	" R	0454			
	3051	" S	0455			
6154	2092	CSR13G473KL	0456			4ECEA473KP
	2332	" M	0457			
	2572	" P	0458			
	2812	" R	0459			
	3052	" S	0460			
6155	2093	CSR13G473ML	0461			
	2333	" M	0462			
	2573	" P	0463			
	2813	" R	0464			
	3053	" S	0465			
6157	2094	CSR13G563KL	0466			4ECEA563KP
	2334	" M	0467			
	2574	" P	0468			
	2814	" R	0469			
	3054	" S	0470			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6159	2095	CSR13G683KL	0471			4ECEA683KP
	2335	" M	0472			
	2575	" P	0473			
	2815	" R	0474			
	3055	" S	0475			
6160	2096	CSR13G683ML	0476			
	2336	" M	0477			
	2576	" P	0478			
	2816	" R	0479			
	3056	" S	0480			
6162	2097	CSR13G823KL	0481			4ECEA823KP
	2337	" M	0482			
	2577	" P	0483			
	2817	" R	0484			
	3057	" S	0485			
6164	2098	CSR13G104KL	0486			4ECEA104KP
	2338	" M	0487			
	2578	" P	0488			
	2818	" R	0489			
	3058	" S	0490			
6165	2099	CSR13G104ML	0491			
	2339	" M	0492			
	2579	" P	0493			
	2819	" R	0494			
	3059	" S	0495			
6167	2100	CSR13G124KL	0496			4ECEA124KP
	2340	" M	0497			
	2580	" P	0498			
	2820	" R	0499			
	3060	" S	0500			
6169	2101	CSR13G154KL	0501			4ECEA154KP
	2341	" M	0502			
	2581	" P	0503			
	2821	" R	0504			
	3061	" S	0505			
6170	2102	CSR13G154ML	0506			
	2342	" M	0507			
	2582	" P	0508			
	2822	" R	0509			
	3062	" S	0510			
6172	2103	CSR13G184KL	0511			4ECEA184KP
	2343	" M	0512			
	2583	" P	0513			
	2823	" R	0514			
	3063	" S	0515			
6174	2104	CSR13G224KL	0516			4ECEA224KP
	2344	" M	0517			
	2584	" P	0518			
	2824	" R	0519			
	3064	" S	0520			
6175	2105	CSR13G224ML	0521			
	2345	" M	0522			
	2585	" P	0523			
	2825	" R	0524			
	3065	" S	0525			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6177	2106	CSR13G274KL	0526			4ECEA274KP
	2346	" M	0527			
	2586	" P	0528			
	2826	" R	0529			
	3066	" S	0530			
6179	2107	CSR13G334KL	0531			4ECEA334KP
	2347	" M	0532			
	2587	" P	0533			
	2827	" R	0534			
	3067	" S	0535			
6180	2108	CSR13G334ML	0536			
	2348	" M	0537			
	2588	" P	0538			
	2828	" R	0539			
	3068	" S	0540			
6182	2109	CSR13G394KL	0541			4ECEA394KP
	2349	" M	0542			
	2589	" P	0543			
	2829	" R	0544			
	3069	" S	0545			
6184	2110	CSR13G474KL	0546			4ECEA474KP
	2350	" M	0547			
	2590	" P	0548			
	2830	" R	0549			
	3070	" S	0550			
6185	2111	CSR13G474ML	0551			
	2351	" M	0552			
	2591	" P	0553			
	2831	" R	0554			
	3071	" S	0555			
6187	2112	CSR13G564KL	0556			4ECEA564KP
	2352	" M	0557			
	2592	" P	0558			
	2832	" R	0559			
	3072	" S	0560			
6189	2113	CSR13G684KL	0561			4ECEA684KP
	2353	" M	0562			
	2593	" P	0563			
	2833	" R	0564			
	3073	" S	0565			
6190	2114	CSR13G684ML	0566			
	2354	" M	0567			
	2594	" P	0568			
	2834	" R	0569			
	3074	" S	0570			
6192	2115	CSR13G824KL	0571			4ECEA824KP
	2355	" M	0572			
	2595	" P	0573			
	2835	" R	0574			
	3075	" S	0575			
6194	2116	CSR13G105KL	0576	0207	0208	4ECEA105KP
	2356	" M	0577			
	2596	" P	0578			
	2836	" R	0579			
	3076	" S	0580			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6195	2117	CSR13G105ML	0581	0209	0210	
	2357	" M	0582			
	2597	" P	0583			
	2837	" R	0584			
	3077	" S	0585			
6197	2118	CSR13G125KL	0586	0211	0212	4ECEB125KP
	2358	" M	0587			
	2598	" P	0588			
	2838	" R	0589			
	3078	" S	0590			
6199	2119	CSR13G155KL	0591	0213	0214	4ECEB155KP
	2359	" M	0592			
	2599	" P	0593			
	2839	" R	0594			
	3079	" S	0595			
6200	2120	CSR13G155ML	0596	0215	0216	
	2360	" M	0597			
	2600	" P	0598			
	2840	" R	0599			
	3080	" S	0600			
6202	2121	CSR13G185ML	0601	0217	0218	4ECEB185KP
	2361	" M	0602			
	2601	" P	0603			
	2841	" R	0604			
	3081	" S	0605			
6204	2122	CSR13G225KL	0606	0219	0220	4ECEB225KP
	2362	" M	0607			
	2602	" P	0608			
	2842	" R	0609			
	3082	" S	0610			
6205	2123	CSR13G225ML	0611	0221	0222	
	2363	" M	0612			
	2603	" P	0613			
	2843	" R	0614			
	3083	" S	0615			
6207	2124	CSR13G275KL	0616	0223	0224	4ECEB275KP
	2364	" M	0617			
	2604	" P	0618			
	2844	" R	0619			
	3084	" S	0620			
6209	2125	CSR13G335KL	0621	0225	0226	4ECEB335KP
	2365	" M	0622			
	2605	" P	0623			
	2845	" R	0624			
	3085	" S	0625			
6210	2126	CSR13G335ML	0626	0227	0228	
	2366	" M	0627			
	2606	" P	0628			
	2846	" R	0629			
	3086	" S	0630			
6212	2127	CSR13G395KL	0631	0229	0230	4ECEB395KP
	2367	" M	0632			
	2607	" P	0633			
	2847	" R	0634			
	3087	" S	0635			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6214	2128	CSR13G475KL	0636	0231	0232	4ECEB475KP
	2368	" M	0637			
	2608	" P	0638			
	2848	" R	0639			
	3088	" S	0640			
6215	2129	CSR13G475ML	0641	0233	0234	
	2369	" M	0642			
	2609	" P	0643			
	2849	" R	0644			
	3089	" S	0645			
6217	2130	CSR13G565KL	0646	0235	0236	
	2370	" M	0647			
	2610	" P	0648			
	2850	" R	0649			
	3090	" S	0650			
6219	2131	CSR13G685KL	0651	0237	0238	
	2371	" M	0652			
	2611	" P	0653			
	2851	" R	0654			
	3091	" S	0655			
6220	2132	CSR13G685ML	0656	0239	0240	
	2372	" M	0657			
	2612	" P	0658			
	2852	" R	0659			
	3092	" S	0660			
6222	2133	CSR13G825KL	0661	0241	0242	4ECEC825KP
	2373	" M	0662			
	2613	" P	0663			
	2853	" R	0664			
	3093	" S	0665			
6224	2134	CSR13G106KL	0666	0243	0244	4ECEC106KP
	2374	" M	0667			
	2614	" P	0668			
	2854	" R	0669			
	3094	" S	0670			
6225	2135	CSR13G106ML	0671	0245	0246	4ECEC106LP
	2375	" M	0672			
	2615	" P	0673			
	2855	" R	0674			
	3095	" S	0675			
6227	2136	CSR13G126KL	0676	0247	0248	4ECEC126KP
	2376	" M	0677			
	2616	" P	0678			
	2856	" R	0679			
	3096	" S	0680			
6229	2137	CSR13G156KL	0681	0249	0250	4ECEC156KP
	2377	" M	0682			
	2617	" P	0683			
	2857	" R	0684			
	3097	" S	0685			
6230	2138	CSR13G156ML	0686	0251	0252	4ECEC156LP
	2378	" M	0687			
	2618	" P	0688			
	2858	" R	0689			
	3098	" S	0690			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6232	2139	CSR13G186KL	0691	0253	0254	4ECEC186KP
	2379	" M	0692			
	2619	" P	0693			
	2859	" R	0694			
	3099	" S	0695			
6234	2140	CSR13G226KL	0696	0255	0256	
	2380	" M	0697			
	2620	" P	0698			
	2860	" R	0699			
	3100	" S	0700			
6235	2141	CSR13G226ML	0701	0257	0258	
	2381	" M	0702			
	2621	" P	0703			
	2861	" R	0704			
	3101	" S	0705			
6237	2142	CSR13H104KL	0706	0259	0260	
	2382	" M	0707			
	2622	" P	0708			
	2862	" R	0709			
	3102	" S	0710			
6238	2143	CSR13H104ML	0711	0261	0262	
	2383	" M	0712			
	2623	" P	0713			
	2863	" R	0714			
	3103	" S	0715			
6240	2144	CSR13H124KL	0716	0263	0264	
	2384	" M	0717			
	2624	" P	0718			
	2864	" R	0719			
	3104	" S	0720			
6242	2145	CSR13H154KL	0721	0265	0266	
	2385	" M	0722			
	2625	" P	0723			
	2865	" R	0724			
	3105	" S	0725			
6243	2146	CSR13H154ML	0726	0267	0268	
	2386	" M	0727			
	2626	" P	0728			
	2866	" R	0729			
	3106	" S	0730			
6245	2147	CSR13H184KL	0731	0269	0270	
	2387	" M	0732			
	2627	" P	0733			
	2867	" R	0734			
	3107	" S	0735			
6247	2148	CSR13H224KL	0736	0271	0272	
	2388	" M	0737			
	2628	" P	0738			
	2868	" R	0739			
	3108	" S	0740			
6248	2149	CSR13H224ML	0741	0273	0274	
	2389	" M	0742			
	2629	" P	0743			
	2869	" R	0744			
	3109	" S	0745			

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6250	2150	CSR13H274KL	0746	0275	0276	
	2390	" M	0747			
	2630	" P	0748			
	2870	" R	0749			
	3110	" S	0750			
6252	2151	CSR13H334KL	0751	0277	0278	
	2391	" M	0752			
	2631	" P	0753			
	2871	" R	0754			
	3111	" S	0755			
6253	2152	CSR13H334ML	0756	0279	0280	
	2392	" M	0757			
	2632	" P	0758			
	2872	" R	0759			
	3112	" S	0760			
6255	2153	CSR13H394KL	0761	0281	0282	
	2393	" M	0762			
	2633	" P	0763			
	2873	" R	0764			
	3113	" S	0765			
6257	2154	CSR13H474KL	0766	0283	0284	
	2394	" M	0767			
	2634	" P	0768			
	2874	" R	0769			
	3114	" S	0770			
6258	2155	CSR13H474KL	0771	0285	0286	
	2395	" M	0772			
	2635	" P	0773			
	2875	" R	0774			
	3115	" S	0775			
6260	2156	CSR13H564KL	0776	0287	0288	
	2396	" M	0777			
	2636	" P	0778			
	2876	" R	0779			
	3116	" S	0780			
6262	2157	CSR13H684KL	0781	0289	0290	
	2397	" M	0782			
	2637	" P	0783			
	2877	" R	0784			
	3117	" S	0785			
6263	2158	CSR13H684ML	0786	0291	0292	
	2398	" M	0787			
	2638	" P	0788			
	2878	" R	0789			
	3118	" S	0790			
6265	2159	CSR13H824KL	0791	0293	0294	
	2399	" M	0792			
	2639	" P	0793			
	2879	" R	0794			
	3119	" S	0795			
6267	2160	CSR13H105KL	0796	0295	0296	
	2400	" M	0797			
	2640	" P	0798			
	2880	" R	0799			
	3120	" S	0800			

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6268	2161	CSR13H105ML	0801	0297	0298	
	2401	" M	0802			
	2641	" P	0803			
	2881	" R	0804			
	3121	" S	0805			
6270	2162	CSR13H125KL	0806	0299	0300	
	2402	" M	0807			
	2642	" P	0808			
	2882	" R	0809			
	3122	" S	0810			
6272	2163	CSR13H155KL	0811	0301	0302	
	2403	" M	0812			
	2643	" P	0813			
	2883	" R	0814			
	3123	" S	0815			
6273	2164	CSR13H155ML	0816	0303	0304	
	2404	" M	0817			
	2644	" P	0818			
	2884	" R	0819			
	3124	" S	0820			
6275	2165	CSR13H185KL	0821	0305	0306	
	2405	" M	0822			
	2645	" P	0823			
	2885	" R	0824			
	3125	" S	0825			
6277	2166	CSR13H225KL	0826	0307	0308	
	2406	" M	0827			
	2646	" P	0828			
	2886	" R	0829			
	3126	" S	0830			
6278	2167	CSR13H225ML	0831	0309	0310	
	2407	" M	0832			
	2647	" P	0833			
	2887	" R	0834			
	3127	" S	0835			
6280	2168	CSR13H275KL	0836	0311	0312	
	2408	" M	0837			
	2648	" P	0838			
	2888	" R	0839			
	3128	" S	0840			
6282	2169	CSR13H335KL	0841	0313	0314	
	2409	" M	0842			
	2649	" P	0843			
	2889	" R	0844			
	3129	" S	0845			
6283	2170	CSR13H335ML	0846	0315	0316	
	2410	" M	0847			
	2650	" P	0848			
	2890	" R	0849			
	3130	" S	0850			
6285	2171	CSR13H395KL	0851	0317	0318	
	2411	" M	0852			
	2651	" P	0853			
	2891	" R	0854			
	3131	" S	0855			

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6287	2172	CSR13H475KL	0856	0319	0320	
	2412	" M	0857			
	2652	" P	0858			
	2892	" R	0859			
	3132	" S	0860			
6288	2173	CSR13H475ML	0861	0321	0322	
	2413	" M	0862			
	2653	" P	0863			
	2893	" R	0864			
	3133	" S	0865			
6290	2174	CSR13H565KL	0866	0323	0324	
	2414	" M	0867			
	2654	" P	0868			
	2894	" R	0869			
	3134	" S	0870			
6292	2175	CSR13H685KL	0871	0325	0326	
	2415	" M	0872			
	2655	" P	0873			
	2895	" R	0874			
	3135	" S	0875			
6293	2176	CSR13H685ML	0876	0327	0328	
	2416	" M	0877			
	2656	" P	0878			
	2896	" R	0879			
	3136	" S	0880			
6295	2177	CSR13H825KL	0881	0329	0330	
	2417	" M	0882			
	2657	" P	0883			
	2897	" R	0884			
	3137	" S	0885			
6297	2178	CSR13H106KL	0886	0331	0332	
	2418	" M	0887			
	2658	" P	0888			
	2898	" R	0889			
	3138	" S	0890			
6298	2179	CSR13H106ML	0891	0333	0334	
	2419	" M	0892			
	2659	" P	0893			
	2899	" R	0894			
	3139	" S	0895			
6300	2180	CSR13H126KL	0896	0335	0336	
	2420	" M	0897			
	2660	" P	0898			
	2900	" R	0899			
	3140	" S	0900			
6302	2181	CSR13H156KL	0901	0337	0338	
	2421	" M	0902			
	2661	" P	0903			
	2901	" R	0904			
	3141	" S	0905			
6303	2182	CSR13H156ML	0906	0339	0340	
	2422	" M	0907			
	2662	" P	0908			
	2902	" R	0909			
	3142	" S	0910			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6305	2183	CSR13J472KL		0341	0342	
	2423	" M				
	2663	" P				
	2903	" R				
	3143	" S				
6306	2184	CSR13J472ML		0343	0344	
	2424	" M				
	2664	" P				
	2904	" R				
	3144	" S				
6308	2185	CSR13J562KL		0345	0346	
	2425	" M				
	2665	" P				
	2905	" R				
	3145	" S				
6310	2186	CSR13J682KL		0347	0348	
	2426	" M				
	2666	" P				
	2906	" R				
	3146	" S				
6311	2187	CSR13J682ML		0349	0350	
	2427	" M				
	2667	" P				
	2907	" R				
	3147	" S				
6313	2188	CSR13J822KL		0351	0352	
	2428	" M				
	2668	" P				
	2908	" R				
	3148	" S				
6315	2189	CSR13J103KL		0353	0354	
	2429	" M				
	2669	" P				
	2909	" R				
	3149	" S				
6316	2190	CSR13J103ML		0355	0356	
	2430	" M				
	2670	" P				
	2910	" R				
	3150	" S				
6318	2191	CSR13J123KL		0357	0358	
	2431	" M				
	2671	" P				
	2911	" R				
	3151	" S				
6320	2192	CSR13J153KL		0359	0360	
	2432	" M				
	2672	" P				
	2912	" R				
	3152	" S				
6321	2193	CSR13J153ML		0361	0362	
	2433	" M				
	2673	" P				
	2913	" R				
	3153	" S				

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:				
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D	
				CS12	CS13
6323	2194	CSR13J183KL		0363	0364
	2434	" M			
	2674	" P			
	2914	" R			
	3154	" S			
6325	2195	CSR13J223KL		0365	0366
	2435	" M			
	2675	" P			
	2915	" R			
	3155	" S			
6326	2196	CSR13J223ML		0367	0368
	2436	" M			
	2676	" P			
	2916	" R			
	3156	" S			
6328	2197	CSR13K273KL		0369	0370
	2437	" M			
	2677	" P			
	2917	" R			
	3157	" S			
6330	2198	CSR13J333KL		0371	0372
	2438	" M			
	2678	" P			
	2918	" R			
	3158	" S			
6331	2199	CSR13J333ML		0373	0374
	2439	" M			
	2679	" P			
	2919	" R			
	3159	" S			
6333	2200	CSR13J393KL		0375	0376
	2440	" M			
	2680	" P			
	2920	" R			
	3160	" S			
6335	2201	CSR13J473KL		0377	0378
	2441	" M			
	2681	" P			
	2921	" R			
	3161	" S			
6336	2202	CSR13J473ML		0379	0380
	2442	" M			
	2682	" P			
	2922	" R			
	3162	" S			
6338	2203	CSR13J563KL		0381	0382
	2443	" M			
	2683	" P			
	2923	" R			
	3163	" S			
6340	2204	CSR13J683KL		0383	0384
	2444	" M			
	2684	" P			
	2924	" R			
	3164	" S			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6341	2205	CSR13K683ML		0385	0386	
	2445	" M				
	2685	" P				
	2925	" R				
	3165	" S				
6343	2206	CSR13J823KL		0387	0388	
	2446	" M				
	2686	" P				
	2926	" R				
	3166	" S				
6345	2207	CSR13J104KL	0911	0389	0390	
	2447	" M	0912			
	2687	" P	0913			
	2927	" R	0914			
	3167	" S	0915			
6346	2208	CSR13J104ML	0916	0391	0392	
	2448	" M	0917			
	2688	" P	0918			
	2928	" R	0919			
	3168	" S	0920			
6348	2209	CSR13J124KL	0921	0393	0394	
	2449	" M	0922			
	2689	" P	0923			
	2929	" R	0924			
	3169	" S	0925			
6350	2210	CSR13J154KL	0926	0395	0396	
	2450	" M	0927			
	2690	" P	0928			
	2930	" R	0929			
	3170	" S	0930			
6351	2211	CSR13J154ML	0931	0397	0398	
	2451	" M	0932			
	2691	" P	0933			
	2931	" R	0934			
	3171	" S	0935			
6353	2212	CSR13J184KL	0936	0399	0400	
	2452	" M	0937			
	2692	" P	0938			
	2932	" R	0939			
	3172	" S	0940			
6355	2213	CSR13J224KL	0941	0401	0402	
	2453	" M	0942			
	2693	" P	0943			
	2933	" R	0944			
	3173	" S	0945			
6356	2214	CSR13J224ML	0946	0403	0404	
	2454	" M	0947			
	2694	" P	0948			
	2934	" R	0949			
	3174	" S	0950			
6358	2215	CSR13J274KL	0951	0405	0406	
	2455	" M	0952			
	2695	" P	0953			
	2935	" R	0954			
	3175	" S	0955			

See footnote at end of table.

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TABLE II. Substitutability data - Continued. [1/](#)

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		MIL-C-38102/4B (USAF)
				CS12	CS13	
6360	2216	CSR13J334KL	0956	0407	0408	
	2456	" M	0957			
	2696	" P	0958			
	2936	" R	0959			
	3176	" S	0960			
6361	2217	CSR13J334ML	0961	0409	0410	
	2457	" M	0962			
	2697	" P	0963			
	2937	" R	0964			
	3177	" S	0965			
6363	2218	CSR13J394KL	0966	0411	0412	
	2458	" M	0967			
	2698	" P	0968			
	2938	" R	0969			
	3178	" S	0970			
6365	2219	CSR13J474KL	0971	0413	0414	
	2459	" M	0972			
	2699	" P	0973			
	2939	" R	0974			
	3179	" S	0975			
6366	2220	CSR13J474ML	0976	0415	0416	
	2460	" M	0977			
	2700	" P	0978			
	2940	" R	0979			
	3180	" S	0980			
6368	2221	CSR13J564KL	0981	0417	0418	
	2461	" M	0982			
	2701	" P	0983			
	2941	" R	0984			
	3181	" S	0985			
6370	2222	CSR13J684KL	0986	0419	0420	
	2462	" M	0987			
	2702	" P	0988			
	2942	" R	0989			
	3182	" S	0990			
6371	2223	CSR13J684ML	0991	0421	0422	
	2463	" M	0992			
	2703	" P	0993			
	2943	" R	0994			
	3183	" S	0995			
6373	2224	CSR13J824KL	0996	0423	0424	
	2464	" M	0997			
	2704	" P	0998			
	2944	" R	0999			
	3184	" S	1000			
6375	2225	CSR13J105KL	1001	0425	0426	
	2465	" M	1002			
	2705	" P	1003			
	2945	" R	1004			
	3185	" S	1005			
6376	2226	CSR13J105ML	1006	0427	0428	
	2466	" M	1007			
	2706	" P	1008			
	2946	" R	1009			
	3186	" S	1010			

[See footnote at end of table.](#)

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TABLE II. Substitutability data - Continued. 1/

Dash number in MIL-C-39003/1F through /1L (B level)	Substitutable for dash number or part number in:					MIL-C-38102/4B (USAF)
	MIL-C-39003/1A, /1C, /1D, and /1E	MIL-C-39003/1B	MIL-C-39003/1	MIL-C-26655/2D		
				CS12	CS13	
6378	2227	CSR13J125KL	1011	0429	0430	
	2467	" M	1012			
	2707	" P	1013			
	2947	" R	1014			
	3187	" S	1015			
6380	2228	CSR13J155KL	1016	0431	0432	
	2468	" M	1017			
	2708	" P	1018			
	2948	" R	1019			
	3188	" S	1020			
6381	2229	CSR13J155ML	1021	0433	0434	
	2469	" M	1022			
	2709	" P	1023			
	2949	" R	1024			
	3189	" S	1025			
6383	2230	CSR13J185KL	1026	0435	0436	
	2470	" M	1027			
	2710	" P	1028			
	2950	" R	1029			
	3190	" S	1030			
6385	2231	CSR13J225KL	1031	0437	0438	
	2471	" M	1032			
	2711	" P	1033			
	2951	" R	1034			
	3191	" S	1035			
6386	2232	CSR13J225ML	1036	0439	0440	
	2472	" M	1037			
	2712	" P	1038			
	2952	" R	1039			
	3192	" S	1040			
6388	2233	CSR13J275KL	1041	0441	0442	
	2473	" M	1042			
	2713	" P	1043			
	2953	" R	1044			
	3193	" S	1045			

1/ Items having a lower failure rate (FRL) may be substituted for items of a higher FRL.

Example: -2961(S) may replace -2001(L), -2241(M), -2481(P) and -2721(R)
 -2721(R) may replace -2001(L), -2241(M), and -2481(P)
 -2481(P) may replace -2001(L), and -2241(M)
 -2241(M) may replace -2001(L).

Also shown in this table are units covered by past issues of this specification sheet (which are identified by either dash number or type designation) and units formerly covered by MIL-C-26655/2D and MIL-C-38102/4B (USAF). Table II is arranged in such a manner that the first line of a group is FRL "L" and progresses downward to FRL "S". In this manner of grouping, the FRL of a specific dash number may be identified.

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TABLE III. Substitutability for number of MIL-C-39003/5 (USAF).

Dash number in MIL-C- 39003/1F through /1L	Substitutable for dash number in MIL-C-39003/5 (USAF)		Dash number in MIL-C- 39003/1F through /1L	Substitutable for dash number in MIL-C-39003/5 (USAF)		Dash number in MIL-C- 39003/1F through /1L	Substitutable for dash number in MIL-C-39003/5 (USAF)	
M (1.0)	L (2.0)	M(1.0)	M (1.0)	L (2.0)	M(1.0)	M (1.0)	L (2.0)	M(1.0)
5001	0001	0161	5053	0053	0213	5105	0105	0265
5002	0002	0162	5054	0054	0214	5106	0106	0266
5003	0003	0163	5055	0055	0215	5107	0107	0267
5004	0004	0164	5056	0056	0216	5108	0108	0268
5005	0005	0165	5057	0057	0217	5109	0109	0269
5006	0006	0166	5058	0058	0218	5110	0110	0270
5007	0007	0167	5059	0059	0219	5111	0111	0271
5008	0008	0168	5060	0060	0220	5112	0112	0272
5009	0009	0169	5061	0061	0221	5113	0113	0273
5010	0010	0170	5062	0062	0222	5114	0114	0274
5011	0011	0171	5063	0063	0223	5115	0115	0275
5012	0012	0172	5064	0064	0224	5116	0116	0276
5013	0013	0173	5065	0065	0225	5117	0117	0277
5014	0014	0174	5066	0066	0226	5118	0118	0278
5015	0015	0175	5067	0067	0227	5119	0119	0279
5016	0016	0176	5068	0068	0228	5120	0120	0280
5017	0017	0177	5069	0069	0229	5121	0121	0281
5018	0018	0178	5070	0070	0230	5122	0122	0282
5019	0019	0179	5071	0071	0231	5123	0123	0283
5020	0020	0180	5072	0072	0232	5124	0124	0284
5021	0021	0181	5073	0073	0233	5125	0125	0285
5022	0022	0182	5074	0074	0234	5126	0126	0286
5023	0023	0183	5075	0075	0235	5127	0127	0287
5024	0024	0184	5076	0076	0236	5128	0128	0288
5025	0025	0185	5077	0077	0237	5129	0129	0289
5026	0026	0186	5078	0078	0238	5130	0130	0290
5027	0027	0187	5079	0079	0239	5131	0131	0291
5028	0028	0188	5080	0080	0240	5132	0132	0292
5029	0029	0189	5081	0081	0241	5133	0133	0293
5030	0030	0190	5082	0082	0242	5134	0134	0294
5031	0031	0191	5083	0083	0243	5135	0135	0295
5032	0032	0192	5084	0084	0244	5136	0136	0296
5033	0033	0193	5085	0085	0245	5137	0137	0297
5034	0034	0194	5086	0086	0246	5138	0138	0298
5035	0035	0195	5087	0087	0247	5139	0139	0299
5036	0036	0196	5088	0088	0248	5140	0140	0300
5037	0037	0197	5089	0089	0249	5141	0141	0301
5038	0038	0198	5090	0090	0250	5142	0142	0302
5039	0039	0199	5091	0091	0251	5143	0143	0303
5040	0040	0200	5092	0092	0252	5144	0144	0304
5041	0041	0201	5093	0093	0253	5145	0145	0305
5042	0042	0202	5094	0094	0254	5146	0146	0306
5043	0043	0203	5095	0095	0255	5147	0147	0307
5044	0044	0204	5096	0096	0256	5148	0148	0308
5045	0045	0205	5097	0097	0257	5149	0149	0309
5046	0046	0206	5098	0098	0258	5150	0150	0310
5047	0047	0207	5099	0099	0259	5151	0151	0311
5048	0048	0208	5100	0100	0260	5152	0152	0312
5049	0049	0209	5101	0101	0261	5153	0153	0313
5050	0050	0210	5102	0102	0262	5154	0154	0314
5051	0051	0211	5103	0103	0263	5155	0155	0315
5052	0052	0212	5104	0104	0264			

TABLE III. Substitutability for number of MIL-C-39003/5(USAF) - Continued.

Dash number in MIL-C-39003/1F through /1L	Substitutable for dash number in MIL-C-39003/5 (USAF)				
	L(2.0)	M(1.0)	P(0.1)	R(0.01)	S(0.001)
5201 P(0.1)	0001	0161	0321		
5355 P(0.1)	0155	0315	0475		
5401 R(0.01)	0001	0161	0321	0481	
5555 R(0.01)	0155	0315	0475	0635	
5601 S(0.001)	0001	0161	0321	0481	0641
5755 S(0.001)	0155	0315	0475	0635	0795

Changes from previous issue: The margins of this specification ~~sheet~~ are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Referenced documents. In addition to MIL-PRF-39003, this document references the following:

MIL-STD-202-108
MIL-STD-1276

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5910-20246-04650)

Review activities:
Navy - AS, MC, ~~OS, SH~~
Air Force - 19

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