

Specification Details:

Date: 6/24/2008

Specification: MIL-PRF-123

Title: Capacitor, Fixed, Ceramic Dielectric, (Temperature Stable and General Purpose)

Federal Supply Class (FSC): 5910

Conventional: Yes

Specification contains quality assurance program: No

MIL-STD-790 Established Reliability & High Reliability: No

MIL-STD-690 Failure Rate Sampling Plans & Procedures: No

Weibull Graded: No

Specification contains space level reliability requirements: Yes

Specification allows test optimization: No

Contact Information:

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP

Primary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

Secondary DSCC-VQ Contact: 614-692-0666, e-mail: vqp.mp@dla.mil

Notes:

N/A

Part Configuration:**M123A01BXB103KC**

Performance Specification Number	Modification	Slash Sheet Number	Characteristic	Voltage	Capacitance Value	Capacitance Tolerance	Termination
M123	A	01	BX	B	103	K	C

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CKS05				
4.7 thru 10000pF; tols. C, D, F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	MR05	123-197-02 20-395-88 39014-28-96	/1	AVX Avio Excelente S.A. de C.V.
4.7 thru 10000pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. C	MR05	123-392-89	/1	AVX Corporation (Myrtle Beach, SC)
4.7 thru 10000pF; tols. C, D, F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C052Z	20-1102-73 20-389-88 123-178-85	/1	Kemet Electronics Corp
CKS06				
270 thru 470000pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	MR06	123-197-02 20-395-88 39014-28-96	/2	AVX Avio Excelente S.A. de C.V.
270 thru 470000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. C	MR06	123-393-89	/2	AVX Corporation (Myrtle Beach, SC)
270 thru 1000000pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C062Z	20-1102-73 20-390-88 123-179-85 123-078-99	/2	Kemet Electronics Corp
CKS07				
2200 thru 1000000pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C512Z	20-1103-73 123-996-87 123-838-93	/3	Kemet Electronics Corp
CKS11				
4.7 thru 4700pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA10	123-395-89	/4	AVX Corporation (Myrtle Beach, SC)

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CKS12				
110 thru 10000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA20	123-396-89	/5	AVX Corporation (Myrtle Beach, SC)
CKS14				
240 thru 47000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA40	123-397-89	/6	AVX Corporation (Myrtle Beach, SC)
CKS15				
1100 thru 180000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA50	123-398-89	/7	AVX Corporation (Myrtle Beach, SC)
CKS16				
2400 thru 1000000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA60	123-399-89	/8	AVX Corporation (Myrtle Beach, SC)
CKS22				
1 thru 100000pF; tols. D, F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. C	MD10	123-418-90	/16	AVX Corporation (Myrtle Beach, SC)
CKS23				
560 thru 220000pF; tols. F, J, K, M; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	MD02	123-419-90	/17	AVX Corporation (Myrtle Beach, SC)
CKS24				
120000 thru 470000pF; tols. K, M; in 50, 100 volts; BR rated temp. and volt. temp. limits; term. C	MD03	123-420-90	/18	AVX Corporation (Myrtle Beach, SC)
CKS51				
1 thru 18000pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C0805Z	123-1002-87 55681-345-85 123-1920-07	/10	Kemet Electronics Corp
1 thru 18000pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS51	123-020-99 55681-049-00	/10	Presidio Components, Inc.
CKS52				
300 thru 100000pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C1210Z	123-1003-87 55681-347-85 123-1921-07	/11	Kemet Electronics Corp
300 thru 100000pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS52	55681-049-00	/11	Presidio Components, Inc.
CKS53				
300 thru 100000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C1808Z	123-1004-87 55681-889-73 123-1922-07	/12	Kemet Electronics Corp
300 thru 68000pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS53	55681-660-85	/12	Presidio Components, Inc.
CKS54				
1100 thru 1000000pF; tols. F, J, K; in 50 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C2225Z	123-1005-87 55681-1994-07	/13	Kemet Electronics Corp
1100 thru 470000pF; tols. F, J, K; in 50 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS54	681-049-00	/13	Presidio Components, Inc.
CKS55				
1 thru 39000pF; tols. B, C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C1206Z	55681-346-85 123-1923-07	/21	Kemet Electronics Corp
1 thru 39000pF; tols. B, C, D, F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS55	55681-049-00	/21	Presidio Components, Inc.

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CKS56				
1200 thru 180000pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C1812Z	55681-348-85 123-1924-07	/22	Kemet Electronics Corp
1200 thru 4700pF; tols. F, J, K; in 100 volts; BP rated temp. and volt. temp. limits; term. M, S, Z	CKS56	55681-049-00	/22	Presidio Components, Inc.
27 thru 180000pF; tols. K, M; in 50, 100 volts; BX rated temp. and volt. temp. limits; term. M, S, Z	CKS56	55681-049-00	/22	Presidio Components, Inc.
CKS57				
3900 thru 470000pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, W, Z	C1825Z	55681-349-85 55681-1989-07	/23	Kemet Electronics Corp
3900 thru 470000pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. M, S, Z	CKS57	55681-049-00	/23	Presidio Components, Inc.

Manufacturer and Supplier Location Information

Manufacturer: AVX Avio Excelente S.A. de C.V. (CAGE Code: S9915)

Location: Area Riberena, APDO Post 1709, CP 32310 Ciudad, Juarez, Chihuahua, Mexico

Plant Location: Same Address as Manufacturer

Manufacturer: AVX Corporation (Myrtle Beach, SC) (CAGE Code: 04222)

Location: Ceramics Division, 17 Avenue South, Myrtle Beach, SC 29578-0867, US

Plant Location: 8021 Highway 501 /west, Conway, SC 29526, US

Manufacturer: Kemet Electronics Corp (CAGE Code: 31433)

Location: 2835 Kemet Way, Simpsonville, SC 29681-2457, US

Plant Location: Kemet de Mexico, S.A. de C.V., Avenida Eloy Cavazos 7908 Ote., Col. Rancho Viejo, Guadalupe, N.L., Mexico

Manufacturer: Presidio Components, Inc. (CAGE Code: 60212)

Location: 7169 Construction Court, San Diego, CA 92138, US

Plant Location: Same Address as Manufacturer