Specification Details: **Date: 10/20/2010**

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:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
Primary Qualifying Activity Contact: 614-692-0597, e-mail: vqp.jz@dla.mil
Secondary Qualifying Activity 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 pF thru 10000 pF; 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 pF thru 10000 pF; 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 de RL de CV
4.7 pF thru 10000 pF; tols. C, D, F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C052Z	123-178-85; 20-1102-73; 20-389-88	/1	Kemet Electronics Corp
CKS06				
270 pF thru 470000 pF; 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 pF thru 470000 pF; 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 de RL de CV
270 pF thru 1000000 pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C062Z	123-078-99; 123-179-85; 20-1102-73; 20-390-88	/2	Kemet Electronics Corp
CKS07				
2200 pF thru 1000000 pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	C512Z	123-838-93; 123-996-87; 20-1103-73	/3	Kemet Electronics Corp
CKS11				
1 pF thru 4700 pF; tols. B, C, D, F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA10	123-395-89; 20-143-74	/4	AVX Corporation (Myrtle Beach, SC)

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CKS12				
82 pF thru 10000 pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA20	123-396-89; 20-143-74	/5	AVX Corporation (Myrtle Beach, SC)
CKS14				
150 pF thru 47000 pF; tols. F, J, K; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. W	MA40	123-397-89; 20-143-74	/6	AVX Corporation (Myrtle Beach, SC)
CKS15				
820 pF thru 180000 pF; tols. F, J, K; in 50, 100, 200 volts; BP rated temp. and volt. temp. limits; term. W	MA50	123-398-89; 20-143-74	/7	AVX Corporation (Myrtle Beach, SC)
CKS16				
2400 pF thru 1000000 pF; tols. F, J, K; in 50, 100, 200 volts; BP rated temp. and volt. temp. limits; term. W	MA60	123-399-89; 20-143-74	/8	AVX Corporation (Myrtle Beach, SC)
CKS22				
1 pF thru 100000 pF; tols. D, F, J, K, M; in 50, 100, 200 volts; BP, BX rated temp. and volt. temp. limits; term. C	MD10	123-418-90	/16	AVX Corporation (Myrtle Beach, SC)
CKS23				
560 pF thru 220000 pF; 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 pF thru 470000 pF; 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 pF thru 18000 pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS51	123-2720-10	/10	AVX Corporation (Olean, NY)
1 pF thru 18000 pF; tols. C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C0805Z	123-1002-87; 123-1920-07; 55681-345-85	/10	Kemet Electronics Corp
1 pF thru 18000 pF; 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 pF thru 100000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS52	123-2721-10	/11	AVX Corporation (Olean, NY)
300 pF thru 100000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C1210Z	123-1003-87; 123-1921-07; 55681-347-85	/11	Kemet Electronics Corp
300 pF thru 100000 pF; 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 pF thru 100000 pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS53	123-2722-10	/12	AVX Corporation (Olean, NY)
300 pF thru 100000 pF; tols. F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C1808Z	123-1004-87; 123-1922-07; 55681-889-73	/12	Kemet Electronics Corp
300 pF thru 100000 pF; 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 pF thru 1000000 pF; tols. F, J, K; in 50 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS54	123-2723-10	/13	AVX Corporation (Olean, NY)

PART LISTINGS				
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
1100 pF thru 1000000 pF; tols. F, J, K; in 50 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C2225Z	123-1005-87; 55681-1994-07	/13	Kemet Electronics Corp
1100 pF thru 1000000 pF; 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 pF thru 39000 pF; tols. B, C, D, F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS55	123-2724-10	/21	AVX Corporation (Olean, NY)
1 pF thru 39000 pF; tols. B, C, D, F, J, K; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C1206Z	123-1923-07; 55681-346-85	/21	Kemet Electronics Corp
1 pF thru 39000 pF; 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.
CKS56				
1200 pF thru 180000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS56	123-2725-10	/22	AVX Corporation (Olean, NY)
1200 pF thru 180000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C1812Z	123-1924-07; 55681-348-85	/22	Kemet Electronics Corp
1200 pF thru 4700 pF; 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 pF thru 180000 pF; 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 pF thru 470000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. G, M, S, Z	CKS57	123-2726-10	/23	AVX Corporation (Olean, NY)
3900 pF thru 470000 pF; tols. F, J, K, M; in 50, 100 volts; BP, BX rated temp. and volt. temp. limits; term. S, Z	C1825Z	55681-1989-07; 55681-349-85	/23	Kemet Electronics Corp
3900 pF thru 470000 pF; 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 Corporation (Myrtle Beach, SC) (CAGE Code: 04222)
Location: Ceramics Division, 17 Avenue South, Myrtle Beach, SC 29578-0867, US

Plants:

1. 8021 Highway 501 /west, Conway, SC 29526, US

Manufacturer: AVX Corporation (Olean, NY) (CAGE Code: 96095)
Location: Olean Advanced Products, P.O. Box 493, 1695 Seneca Avenue, Olean, NY 14760, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: AVX-Avio Excelente S de RL de CV (CAGE Code: S9915)
Location: Av. San Lorenzo No. 651, Area Rivereno C.P., 32310, Cd. Juarez, Chihuahua, Mexico

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Kemet Electronics Corporation (CAGE Code: 31433)
Location: 2835 Kemet Way, Simpsonville, SC 29681-2457, US

Plants:

1. 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

Plants:

1. Plant: Same Address as Manufacturer