Specification Details: **Date: 7/30/2018**

Specification: MIL-PRF-32535
Title: Capacitor, Chip, Fixed, Ceramic Dielectric (Temperature Stable and General Purpose), Extended Range, High Reliability and Standard Reliability
Federal Supply Class (FSC): 5910
Conventional: No
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: Yes
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: 614-692-2063, e-mail: vqp.ahc@dla.mil
Secondary Qualifying Activity Contact: 614-692-0619, e-mail: vq.chief@dla.mil

Notes:

N/A

Part Configuration:

Performance specification number	Slash sheet number	Characteristic	Voltage	Capacitance	Capacitance tolerance	Termination	Product level	Electrode
M32535	01	BX	B	103	K	Z	M	B

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M32535				
2200 pF thru 6800 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0402	32535-4924-17	/2	AVX Ltd.
8200 pF thru 27000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0402	32535-4924-17	/2	AVX Ltd.
10000 pF thru 33000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0402	32535-4924-17	/2	AVX Ltd.
10 pF thru 330 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. G, Z; electrode. B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
390 pF thru 680 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50 volts; BP, E1 rated temp. and volt. temp. limits; term. G, Z; electrode. B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
820 pF thru 1000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. G, Z; electrode. B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
39 pF thru 6800 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. G, Z; electrode. ., B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
8200 pF thru 22000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. G, Z; electrode. B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
27000 pF thru 47000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. G, Z; electrode. B; product level M, T	C0402	32535-4811-17	/2	Kemet de Mexico, S.A. de C.V.
39 pF thru 4700 pF; tols. K, M; in 100 volts; E2 rated temp. and volt. temp. limits; term. M, Z; electrode. P; product level M, T	SR0402	32535-4966-17	/2	Presidio Components

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M32535				
2200 pF thru 18000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0603	32535-4924-17	/3	AVX Ltd.
22000 pF thru 120000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0603	32535-4924-17	/3	AVX Ltd.
150000 pF thru 180000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0603	32535-4924-17	/3	AVX Ltd.
1 pF thru 82 pF; tols. B, C, D, F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. G, R, V, Z; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
100 pF thru 2200 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. G, R, V, Z; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
2700 pF thru 3900 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50 volts; BP, E1 rated temp. and volt. temp. limits; term. G, R, V, Z; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
4700 pF thru 5600 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. G, R, V, Z; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
1000 pF thru 47000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. G, R, V, Z; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
51000 pF thru 220000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. G, R, V, Z, ; electrode. B; product level M, T	C0603	32535-4811-17	/3	Kemet de Mexico, S.A. de C.V.
1000 pF thru 18000 pF; tols. K, M; in 100 volts; E2 rated temp. and volt. temp. limits; term. M, Z; electrode. P; product level M, T	SR0603	32535-4966-17	/3	Presidio Components
180000 pF thru 180000 pF; tols. K, M; in 25 volts; E2 rated temp. and volt. temp. limits; term. M; electrode. P; product level M, T	SR0603	32535-4966-17	/3	Presidio Components
22000 pF thru 150000 pF; tols. K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. M; electrode. P; product level M, T	SR0603	32535-4966-17	/3	Presidio Components
M32535				
2200 pF thru 100000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0805	32535-4924-17	/4	AVX Ltd.
120000 pF thru 470000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0805	32535-4924-17	/4	AVX Ltd.
560000 pF thru 1000000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	0805	32535-4924-17	/4	AVX Ltd.
1 pF thru 470 pF; tols. B, C, D, F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.
10000 pF thru 150000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
180000 pF thru 680000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.
820000 pF thru 1000000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.
560 pF thru 8200 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.
10000 pF thru 10000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C0805	32535-4811-17	/4	Kemet de Mexico, S.A. de C.V.
120000 pF thru 470000 pF; tols. K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. M; electrode. P; product level M, T	SR0805	32535-4755-16	/4	Presidio Components
10000 pF thru 104000 pF; tols. K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. M, R; electrode. P; product level M, T	SR0805	32535-4966-17	/4	Presidio Components
M32535				
10000 pF thru 390000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1206	32535-4924-17	/5	AVX Ltd.
470000 pF thru 1000000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1206	32535-4924-17	/5	AVX Ltd.
1200000 pF thru 2200000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1206	32535-4924-17	/5	AVX Ltd.
560 pF thru 1800 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
2200 pF thru 18000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
22000 pF thru 27000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
100000 pF thru 3300000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
390000 pF thru 1500000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
1800000 pF thru 2200000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1206	32535-4811-17	/5	Kemet de Mexico, S.A. de C.V.
M32535				
22000 pF thru 680000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1210	32535-4924-17	/6	AVX Ltd.
820000 pF thru 1000000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1210	32535-4924-17	/6	AVX Ltd.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
1200 pF thru 3300 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
3900 pF thru 33000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
39000 pF thru 47000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
82000 pF thru 680000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
820000 pF thru 2200000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
3300000 pF thru 3300000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1210	32535-4811-17	/6	Kemet de Mexico, S.A. de C.V.
M32535				
100000 pF thru 2200000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1812	32535-4924-17	/7	AVX Ltd.
3300000 pF thru 4700000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1812	32535-4924-17	/7	AVX Ltd.
5600000 pF thru 8200000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	1812	32535-4924-17	/7	AVX Ltd.
1000 pF thru 6800 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
2200000 pF thru 3900000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R, V, ; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
4700000 pF thru 4700000 pF; tols. J, K, M; in 4, 6.3, 10 volts; E2 rated temp. and volt. temp. limits; term. R, V; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
8200 pF thru 56000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
68000 pF thru 68000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
82000 pF thru 100000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.
100000 pF thru 1800000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R, V; electrode. B; product level M, T	C1812	32535-4811-17	/7	Kemet de Mexico, S.A. de C.V.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M32535				
1000000 pF thru 4700000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50, 100 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	2220	32535-4924-17	/8	AVX Ltd.
5600000 pF thru 10000000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25, 50 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	2220	32535-4924-17	/8	AVX Ltd.
12000000 pF thru 22000000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. R; electrode. B; product level M, T	2220	32535-4924-17	/8	AVX Ltd.
1000 pF thru 27000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100, 200 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
100000 pF thru 3300000 pF; tols. J, K, M; in 4, 6.3, 10, 16, 25 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
3900000 pF thru 4700000 pF; tols. J, K, M; in 4, 6.3, 10, 16 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
5600000 pF thru 10000000 pF; tols. J, K, M; in 4, 6.3 volts; E2 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
33000 pF thru 100000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50, 100 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
120000 pF thru 150000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25, 50 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
180000 pF thru 180000 pF; tols. F, G, J, K; in 4, 6.3, 10, 16, 25 volts; BP, E1 rated temp. and volt. temp. limits; term. D, G, R, V, Z; electrode. B; product level M, T	C2220	32535-4811-17	/8	Kemet de Mexico, S.A. de C.V.
M32535				
100000 pF thru 100000 pF; tols. K, M; in 4, 6.3, 10, 16 volts; E2 rated temp. and volt. temp. limits; term. M; electrode. P; product level M, T	SR0306	32535-4966-17	/9	Presidio Components

Manufacturer and Supplier Location Information

Manufacturer: AVX Ltd (CAGE Code: U6827)

Location: Ballycastle Road, Coleraine BT52 2DA
Ballycastle Road,Coleraine, Ireland BT52 2DA, Ireland

Manufacturer: Kemet (CAGE Code: 31433)

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

Plants:

1. Kemet de Mexico, S.A. de C.V., CAGE: 31433, Ceramic Capacitors, Avenido Eloy Cavazos 7908 Ote., Col. Rancho Biejo, Guadalupe, N.L., C.P. 61750, Mexico

Manufacturer: Presidio Components (CAGE Code: 60212)

Location: PO Box 81576, 7169 Construction Court, San Diego, CA 92121,