

Military/Military Equivalent Products



KEMET Federal Source Code: 31433

This document lists KEMET U.S. Government qualification approvals effective per the listed QPL dates along with other "military equivalent" products. The government approvals verify KEMET ability to manufacture capacitors certified to the appropriate Military Specification. The following Tables show KEMET current approval status for U.S. government military (DSCC) specification components.

Qualification Status Code:

- A. All capacitance values, tolerances, voltages.
- B. All capacitance values, tolerances, voltages & dielectrics: "S", "U", "W" and "Y" terminations.
- C. All capacitance values, tolerances, voltages: military A-case size.
- D. All capacitance values, 1pF and above; all tolerances, all voltages.
- E. All capacitance values, tolerances, voltages in military D, E, F, and G case sizes (KEMET C, D, E & F).
- F. All capacitance values, tolerances, 4 volts through 35 volts per QPL.
- G. All capacitance values, tolerances, 4 volts through 50 volts per QPL.

Military Qualification Approvals				
Military Spec./Style	Military Spec./ Sheet	KEMET Style	QPL Approved Failure Levels	
Solid Tantalum Capacitors				
MIL-PRF-39003 QPL Dated 01/24/07			Failure Level	Military Dash Number
CSR13	M39003/01	T212	M,P,R,S (See QPL) Weibull B, C, D	B - 6001-6401 C - 7001-7388 D - 8001-8303
CSR09	M39003/02	T222*	M,P,R,S (See QPL) Weibull B, C, D	B - 2001-2094 C - 3001-3094 D - 4001-4094
CSR23	M39003/03	T242	M,P,R,S (See QPL) Weibull B, C, D	B - 2001-2087 C - 3001-3084 D - 4001-4084
CSR91	M39003/04	T213*	M,P,R,S (See QPL) Weibull B, C, D	B - 3001-3218 C - 4001-4218 D - 5001-5167
CSR33	M39003/06	T252	M,P,R,S (See QPL) Weibull B, C, D	B - 2001-2087 C - 3001-3084 D - 4001-4084
CSR21	M39003/09	T262	M,P,R,S (See QPL) Weibull B, C, D	B - 2001-2085 C - 3001-3085 D - 4001-4085
CSS13	M39003/10	T216*	Weibull B, C (See QPL)	B - 2001-2121 C - 3001-3121
CSS33	M39003/10	T256*	Weibull B, C (See QPL)	B - 2500-2557 C - 3500-3537
MIL-PRF-49137 QPL Dated 07/26/05				Qualif. Status Code
CX01	M49137/01	T323	Non-ER	C
CX02	M49137/02	T363*	Non-ER	A
CX12	M49137/02	T369*	Non-ER	A
CX05	M49137/05	T323*	Non-ER	A
CX06	M49137/06	T378	Non-ER	E
Surface Mount Tantalum Capacitors				Qualif. Status Code
MIL-PRF-55365 DSCC Letter Dated 08/17/6			Product Level	
CWR09	M55365/04	T409	A,B,C,D,M,P,R,S	G
CWR19	M55365/11	T419	A,B,C,D,M,P,R,S	G
CWR29	M55365/11	T429	A,B,C,D,M,P,R,S	G
CWR11	M55365/08	T492	A,B,C,D,M,P,R,S	G

*Sole Source

Military Qualification Approvals

Military Spec./Style	Military Spec./ Sheet	KEMET Style	QPL Approved Failure Levels	Qualification Status
Multilayer Ceramic Capacitors				
MIL-PRF-123 QPL Dated 01/02/08				
CKS05	M123/01	C052Z	N/A	A
CKS06	M123/02	C062Z	N/A	A
CKS07	M123/03	C512Z*	N/A	A
CKS51	M123/10	C0805Z	N/A	A
CKS52	M123/11	C1210Z	N/A	A
CKS53	M123/12	C1808Z	N/A	A
CKS54	M123/13	C2225Z*	N/A	A
CKS55	M123/21	C1206Z	N/A	A
CKS56	M123/22	C1812Z	N/A	A
CKS57	M123/23	C1825Z	N/A	A
MIL-PRF-39014 QPL Dated 04/05/07				
CKR05	M39014/01	C052T/56T	M, P, R, S	A
CKR06	M39014/02	C062T/66T	M, P, R, S	A
CKR11	M39014/05	C114T	M, P, R, S	A
CKR12	M39014/05	C124T	M, P, R, S	A
CKR14	M39014/05	C192T	M, P, R, S	A
CKR15	M39014/05	C202T	M, P, R, S	A
CKR16	M39014/05	C222T	M, P, R, S	A
MIL-PRF-20 QPL Dated 12/26/07				
CC05	MIL-PRF-20/35	C052/56G	N/A	A
CCR05			M, P, R, S	A
CC06	MIL-PRF-20/36	C062/66G	N/A	A
CCR06			M, P, R, S	A
CC07	MIL-PRF-20/37	C512G	N/A	A
CCR07			M, P, R, S	A
CC08	MIL-PRF-20/38	C522G	N/A	A
CCR08			M, P, R, S	A
CC75	MIL-PRF-20/27	C114G	N/A	D
CCR75			M, P, R, S	D
CC76	MIL-PRF-20/28	C124G	N/A	A
CCR76			M, P, R, S	A
CC77	MIL-PRF-20/29	C192G	N/A	A
CCR77			M, P, R, S	A
CC78	MIL-PRF-20/30	C202G	N/A	A
CCR78			M, P, R, S	A
CC79	MIL-PRF-20/31	C222G	N/A	A
CCR79			M, P, R, S	A
MIL-C-11015 QPL Dated 07/26/05				
CK05	M11015/18	C052K	Non-ER	A
CK06	M11015/19	C062K	Non-ER	A
CK12	M11015/20	C114K	Non-ER	A
CK13	M11015/20	C124K	Non-ER	A
CK14	M11015/20	C192K	Non-ER	A
CK15	M11015/20	C202K	Non-ER	A
CK16	M11015/20	C222K	Non-ER	A
Military Spec./Style Military Spec./Sheet KEMET Style QPL Product Levels Qualification Status				
MIL-PRF-49470 QPL Dated January 28, 2008				
PS01	M49470/1#	L1	B	A
PS02	M49470/2#	L2	B	A
Ceramic Stacks				
N/A	DSCC 87106**	L1	N/A	A

* Sole Source

** Case Codes 3,4,5; All Voltages; All Capacitance Values; MIL-PRF-49470 supercedes DSCC Drawing 87106.

Standard Profile; Case Codes 3,4,5; Dielectric Types BQ, BR, BX; All Voltages, All Capacitance Values, N,J,L Lead Styles

Military Qualification Approvals cont.				
Military Spec./Style	Military Spec./Sheet	KEMET Style	QPL Approved Failure Levels	Qualification Status
Multilayer Ceramic Capacitors				
MIL-PRF-55681 QPL Dated 03/30/06				
CDR01	M55681/01	C0805	M, P, R, S	B
CDR02	M55681/01	C1805	M, P, R, S	B
CDR03	M55681/01	C1808	M, P, R, S	B
CDR04	M55681/01	C1812	M, P, R, S	B
CDR05	M55681/02	C1825	M, P, R, S	B
CDR06	M55681/03	C2225	M, P, R, S	B
CDR31	M55681/07	C0805	M, P, R, S	B
CDR32	M55681/08	C1206	M, P, R, S	B
CDR33	M55681/09	C1210	M, P, R, S	B
CDR34	M55681/10	C1812	M, P, R, S	B
CDR35	M55681/11	C1825	M, P, R, S	B

KEMET Military Equivalents – Tantalum

Tantalum Surface Mount - C.O.T.S./Military Equivalent				
Military Spec./Style	Military Spec./Sheet	KEMET Style	Available Failure Rates	Qualification Status
N/A	C.O.T.S.	T493	B, C	Available Now
N/A	DSCC 95158	T495	N/A	Available Now
N/A	DSCC 04053	T496	N/A	Available Now
N/A	C.O.T.S.	T497	B, C	Available Now
N/A	DSCC 04051	T525	N/A	Available Now
N/A	DSCC 04052	T530	N/A	Available Now

KEMET Electronics Corporation
World Sales Headquarters
P. O. Box 5928 • Greenville, SC 29606 • www.kemet.com
Phone: (864) 963-6300 • Fax: (864) 963-6521

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