Specification Details: **Date: 10/15/2024**

Specification: MIL-PRF-39003
Title: Capacitor, Fixed, Electrolytic (Solid Electrolyte), Tantalum
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: Yes
Weibull Graded: Yes
Specification contains space level reliability requirements: Yes
Specification allows test optimization: Yes

Contact Information:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
Primary Qualifying Activity Contact: 614-692-0609, e-mail: vqp.do@dla.mil
Secondary Qualifying Activity Contact: 614-692-8367, e-mail: vqp.es@dla.mil

Notes:

Contact the manufacturer or refer to the manufacturers website for a list of Authorized Distributors.

Part Configuration:

M39003/01-2065A

Style	Slash Sheet	Dash Number	Surge Current Option Letter
M39003	/01	-2065	A

PART LISTINGS

GOVERNMENT DESIGNATION		MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CSR09					
M39003/02-0001 thru -0002	(M level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0007 thru -0051	(M level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0061 thru -0062	(P level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0067 thru -0111	(P level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0121 thru -0122	(R level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0127 thru -0171	(R level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0181 thru -0182	(S level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-0187 thru -0231	(S level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1001 thru -1002	(M level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1007 thru -1051	(M level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1061 thru -1062	(P level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1067 thru -1111	(P level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1121 thru -1122	(R level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1127 thru -1171	(R level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1181 thru -1182	(S level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-1187 thru -1231	(S level)	T222/T225	SEPSE-TM-67-1	/2	Kemet Electronics Corporation
M39003/02-2001 thru -2094	(B level)	T222/T225	39003-1524-86; 39003-759-84 thru 39003-762-84	/2	Kemet Electronics Corporation
M39003/02-3001 thru -3094	(C level)	T222/T225	39003-1524-86; 39003-759-84 thru 39003-762-84	/2	Kemet Electronics Corporation
M39003/02-4001 thru -4094	(D level)	T222/T225	39003-1524-86; 39003-759-84 thru 39003-762-84	/2	Kemet Electronics Corporation
M39003/02-5001 thru -5094	(G level)	T222/T225	39003-1524-86; 39003-759-84 thru 39003-762-84	/2	Kemet Electronics Corporation
CSR13					
M39003/01-2241 thru -2473	(M level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-2481 thru -2713	(P level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-2721 thru -2953	(R level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-2961 thru -3193	(S level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation

GOVERNMENT DESIGNATION		MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CSR13					
M39003/01-4001 thru -4401	(G level)	T212/T215	39003-1523; 39003-749-84 thru 39003-758-84	/1	Kemet Electronics Corporation
M39003/01-5001 thru -5168	(M level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-5201 thru -5368	(P level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-5401 thru -5568	(R level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-5601 thru -5768	(S level)	T212/T215	39003-76-75	/1	Kemet Electronics Corporation
M39003/01-6001 thru -6401	(B level)	T212/T215	39003-1523-86; 39003-749-84 thru 39003-758-84	/1	Kemet Electronics Corporation
M39003/01-7001 thru -7388	(C level)	T212/T215	39003-1523-86; 39003-749-84 thru 39003-758-84	/1	Kemet Electronics Corporation
M39003/01-8001 thru -8303	(D level)	T212/T215	39003-1523-86; 39003-749-84 thru 39003-758-84	/1	Kemet Electronics Corporation
M39003/01-2241 thru -2473	(M level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-2481 thru -2713	(P level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-2721 thru -2953	(R level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-2961 thru -3193	(S level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-4001 thru -4401	(G level)	176D/376D	39003-1033-86 thru; 39003-1048-86; 39003-45-02	/1	Vishay Israel, Ltd.
M39003/01-5001 thru -5168	(M level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-5201 thru -5368	(P level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-5401 thru -5568	(R level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-5601 thru -5768	(S level)	176D/376D	39003-972-74	/1	Vishay Israel, Ltd.
M39003/01-6001 thru -6401	(B level)	176D/376D	39003-1033-86 thru 39003-1048-86; 39003-45-02	/1	Vishay Israel, Ltd.
M39003/01-6001 thru -6263	(B level)	176D/376D	39003-1033-86 thru 39003-1048-86; 39003-45-02	/1	Vishay Israel, Ltd.
M39003/01-7001 thru -7388	(C level)	176D/376D	39003-1033-86 thru 39003-1048-86; 39003-45-02	/1	Vishay Israel, Ltd.
M39003/01-8001 thru -8388	(D level)	176D/376D	39003-1033-86 thru 39003-1048-86; 39003-45-02	/1	Vishay Israel, Ltd.
CSR21					
M39003/09-0001 thru -0085	(M level)	T262	39003-1259-81	/9	Kemet Electronics Corporation
M39003/09-0101 thru -0185	(P level)	T262	39003-1259-81	/9	Kemet Electronics Corporation
M39003/09-0201 thru -0285	(R level)	T262	39003-1259-81	/9	Kemet Electronics Corporation
M39003/09-0301 thru -0385	(S level)	T262	39003-1259-81	/9	Kemet Electronics Corporation
M39003/09-2001 thru -2085	(B level)	T262	39003-769-84 thru 39003-772-84	/9	Kemet Electronics Corporation
M39003/09-3001 thru -3085	(C level)	T262	39003-769-84 thru 39003-772-84	/9	Kemet Electronics Corporation
M39003/09-4001 thru -4085	(D level)	T262	39003-769-84 thru 39003-772-84	/9	Kemet Electronics Corporation
M39003/09-5001 thru -5085	(G level)	T262	39003-769-84 thru 39003-772-84	/9	Kemet Electronics Corporation
M39003/09-0001 thru -0085	(M level)	576D	39003-47-02; 39003-597-92	/9	Vishay Israel, Ltd.
M39003/09-0101 thru -0187	(P level)	576D	39003-47-02; 39003-597-92	/9	Vishay Israel, Ltd.
M39003/09-0201 thru -0287	(R level)	576D	39003-47-02; 39003-597-92	/9	Vishay Israel, Ltd.
M39003/09-0301 thru -0385	(S level)	576D	39003-47-02; 39003-597-92	/9	Vishay Israel, Ltd.
M39003/09-2001 thru -2085	(B level)	576D	39003-1656-85 thru 39003-1659-85; 39003-47-02	/9	Vishay Israel, Ltd.
M39003/09-3001 thru -3085	(C level)	576D	39003-1656-85 thru 39003-1659-85; 39003-47-02	/9	Vishay Israel, Ltd.
M39003/09-4001 thru -4085	(D level)	576D	39003-1656-85 thru 39003-1659-85; 39003-47-02	/9	Vishay Israel, Ltd.
M39003/09-5001 thru -5085	(G level)	576D	39003-6625-23	/9	Vishay Israel, Ltd.
CSR23					
M39003/03-0101 thru -0187	(M level)	T242/T245	39003-673-70	/3	Kemet Electronics Corporation
M39003/03-0201 thru -0287	(P level)	T242/T245	39003-673-70	/3	Kemet Electronics Corporation
M39003/03-0301 thru -0387	(R level)	T242/T245	39003-673-70	/3	Kemet Electronics Corporation
M39003/03-0401 thru -0487	(S level)	T242/T245	39003-673-70	/3	Kemet Electronics Corporation
M39003/03-2001 thru -2087	(B level)	T242/T245	39003-763-84 thru 39003-768-84	/3	Kemet Electronics Corporation

GOVERNMENT DESIGNATION		MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CSR23					
M39003/03-3001 thru -3087	(C level)	T242/T245	39003-763-84 thru 39003-768-84	/3	Kemet Electronics Corporation
M39003/03-4001 thru -4087	(D level)	T242/T245	39003-763-84 thru 39003-768-84	/3	Kemet Electronics Corporation
M39003/03-5001 thru -5087	(G level)	T242/T245	39003-763-84 thru 39003-768-84	/3	Kemet Electronics Corporation
M39003/03-0101 thru -0187	(M level)	178D/378D	39003-547-70	/3	Vishay Israel, Ltd.
M39003/03-0201 thru -0287	(P level)	178D/378D	39003-547-70	/3	Vishay Israel, Ltd.
M39003/03-0301 thru -0387	(R level)	178D/378D	39003-547-70	/3	Vishay Israel, Ltd.
M39003/03-0401 thru -0487	(S level)	178D/378D	39003-46-02; 39003-547-70	/3	Vishay Israel, Ltd.
M39003/03-2001 thru -2087	(B level)	178D/378D	39003-46-02; 39003-814-87 thru 39003-819-87	/3	Vishay Israel, Ltd.
M39003/03-3001 thru -3087	(C level)	178D/378D	39003-46-02; 39003-814-87 thru 39003-819-87	/3	Vishay Israel, Ltd.
M39003/03-4001 thru -4087	(D level)	178D/378D	39003-46-02; 39003-814-87 thru 39003-819-87	/3	Vishay Israel, Ltd.
M39003/03-5001 thru -5087	(G level)	178D/378D	39003-6625-23	/3	Vishay Israel, Ltd.
CSR33					
M39003/06-0001 thru -0087	(M level)	T252/T255	39003-287-75	/6	Kemet Electronics Corporation
M39003/06-0101 thru -0187	(P level)	T252/T255	39003-287-75	/6	Kemet Electronics Corporation
M39003/06-0201 thru -0287	(R level)	T252/T255	39003-287-75	/6	Kemet Electronics Corporation
M39003/06-0301 thru -0387	(S level)	T252/T255	39003-287-75	/6	Kemet Electronics Corporation
M39003/06-2001 thru -2087	(B level)	T252/T255	39003-763-84 thru 39003-768-84	/6	Kemet Electronics Corporation
M39003/06-3001 thru -3084	(C level)	T252/T255	39003-763-84 thru 39003-768-84	/6	Kemet Electronics Corporation
M39003/06-4001 thru -4084	(D level)	T252/T255	39003-763-84 thru 39003-768-84	/6	Kemet Electronics Corporation
M39003/06-5001 thru -5087	(G level)	T252/T255	39003-763-84 thru 39003-768-84	/6	Kemet Electronics Corporation
CSR91					
M39003/04-0221 thru -0370	(M level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-0441 thru -0590	(P level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-0661 thru -0810	(R level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-0881 thru -1030	(S level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1171 thru -1212	(M level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1215 thru -1229	(M level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1241 thru -1282	(P level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1285 thru -1299	(P level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1311 thru -1352	(R level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1355 thru -1369	(R level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1381 thru -1422	(S level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-1425 thru -1439	(S level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-2001 thru -2017	(M level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-2101 thru -2117	(P level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-2201 thru -2217	(R level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-2301 thru -2317	(S level)	T213	39003-263-66	/4	Kemet Electronics Corporation
M39003/04-3001 thru -3218	(B level)	T213	39003-1523-86; 39003-749-84 thru 39003-758-84	/4	Kemet Electronics Corporation
M39003/04-4001 thru -4218	(C level)	T213	39003-1523-86; 39003-749-84 thru 39003-758-84	/4	Kemet Electronics Corporation
M39003/04-5001 thru -5167	(D level)	T213	39003-1523-86; 39003-749-84 thru 39003-758-84	/4	Kemet Electronics Corporation
M39003/04-6001 thru -6218	(G level)	T213	39003-1523-86; 39003-749-84 thru 39003-758-84	/4	Kemet Electronics Corporation
CSS13					
M39003/10-2001 thru -2121	(B level)	T216	39003-117-86; 39003-1807-07	/10	Kemet Electronics Corporation
M39003/10-3001 thru -3121	(C level)	T216	39003-117-86; 39003-1807-07	/10	Kemet Electronics Corporation
CSS21					
M39003/11-2001 thru -2052	(B level)	T266	39003-5560-19	/11	Kemet Electronics Corporation
M39003/11-3001 thru -3052	(C level)	T266	39003-5560-19	/11	Kemet Electronics Corporation

PART LISTINGS					
GOVERNMENT DESIGNATION		MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CSS33					
M39003/10-2500 thru -2557	(B level)	T256	39003-118-86; 39003-1807-07	/10	Kemet Electronics Corporation
M39003/10-3500 thru -3557	(C level)	T256	39003-118-86; 39003-1807-07	/10	Kemet Electronics Corporation

Manufacturer and Supplier Location Information

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., Ave. Carlos Salazar y Blv. Manuel Cavazos Lerma No. 15, H. Matamoros, C.P. 87380, MX

Manufacturer: Vishay Israel, Ltd. (CAGE Code: 2800A)
Location: Vishay Israel Ltd., Dr. Felix Zandman, 3; Industrial Park, Dimona 8622704, Israel

Plants:

1. Plant: Same Address as Manufacturer