Specification Details: **Date: 8/4/2014**

Specification: MIL-PRF-39006
Title: Capacitor, Fixed, Electrolytic (Non-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: No
Specification contains space level reliability requirements: No
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: 614-692-0597, e-mail: vqp.jz@dla.mil

Notes:

FAILURE RATE LEVEL "L" INACTIVE FOR NEW DESIGN AFTER 27 MAY 1976.

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

Part Configuration:

M39006/22-8001H

Military Designator	Slash Sheet	Dash Number	H when Specified
M39006	/22	-8001	H

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR65				
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-753-03	/9	Vishay Israel, Ltd.
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR65				
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates L, M, P, R; case sizes T1, T2, T3, T4	WT	39006-42-02; 39006-812-76	/9	Vishay Tansitor Electronics, Inc.
CLR69				
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates L, M, P; case sizes T1, T2, T3, T4	138D	39006-750-03	/21	Vishay Israel, Ltd.
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates M, P, R, ; char. H; case sizes T1, T2, T3, T4	138D	39006-366-03	/21	Vishay Tansitor Electronics, Inc.
CLR79				
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation

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CLR79				
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/22	AVX Tantalum Corporation
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-751-03	/22	Vishay Israel, Ltd.
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T2, T3, T4,	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AQ	39006-238-83; 39006-989-04	/22	Vishay Tansitor Electronics, Inc.
CLR81				
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR81				
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M; case sizes T1, T2, T3, T4	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/25	AVX Tantalum Corporation
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	135D	39006-752-03	/25	Vishay Israel, Ltd.
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	AR	39006-789-85; 39006-989-04	/25	Vishay Tansitor Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR90				
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; case sizes T1, T2, T3, T4	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3340-11	/30	AVX Tantalum Corporation
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 8 uf thru 3000 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	390060751-03	/30	Vishay Israel, Ltd.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/30	Vishay Israel, Ltd.
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 30 uf thru 1200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 25 uf thru 850 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 20 uf thru 750 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 15 uf thru 540 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 350 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR90				
Cap. values 8 uf thru 300 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 5 uf thru 160 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 4 uf thru 140 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 3.5 uf thru 110 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 2.5 uf thru 86 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ET	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
Cap. values 1.7 uf thru 56 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	EQ	39006-215-94; 39006-989-04	/30	Vishay Tansitor Electronics, Inc.
CLR91				
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; case sizes T2, T3, T4,	TWC	39006-3341-11	/31	AVX Tantalum Corporation
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T2, T3, T4, TI	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	136D	39006-751-03	/31	Vishay Israel, Ltd.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
CLR91				
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 220 uf thru 2200 uf, all tols.; 6 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 180 uf thru 1800 uf, all tols.; 8 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 150 uf thru 1500 uf, all tols.; 10 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 100 uf thru 1000 uf, all tols.; 15 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-215-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 68 uf thru 680 uf, all tols.; 25 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 56 uf thru 560 uf, all tols.; 30 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 33 uf thru 330 uf, all tols.; 50 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 27 uf thru 270 uf, all tols.; 60 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 22 uf thru 220 uf, all tols.; 75 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 10 uf thru 120 uf, all tols.; 100 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ES	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
Cap. values 6.8 uf thru 82 uf, all tols.; 125 V; life failure rates M, P, R; char. H; case sizes T1, T2, T3, T4	ER	39006-216-94; 39006-989-04	/31	Vishay Tansitor Electronics, Inc.
CLR93				
Cap. values uf thru 680 uf, all tols.; 50 V; life failure rates M; case sizes T4, M39006/33-0029	T16S687M050T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 680 uf, all tols.; 50 V; life failure rates M; case sizes T4, M39006/33-0030	T16S687K050T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 560 uf, all tols.; 60 V; life failure rates M; case sizes T4, M39006/33-0039	T16S567M060T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 560 uf, all tols.; 60 V; life failure rates M; case sizes T4, M39006/33-0040	T16S567K060T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 470 uf, all tols.; 75 V; life failure rates M; case sizes T4, M39006/33-0049	T16S477M075T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 470 uf, all tols.; 75 V; life failure rates M; case sizes T4, M39006/33-0050	T16S477K075T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 220 uf, all tols.; 100 V; life failure rates M; case sizes T4,M39006/33-0059	T16S227M100T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.
Cap. values uf thru 220 uf, all tols.; 100 V; life failure rates M; case sizes T4, M39006/33-0060	T16S227K100T4ESM	39006-3663-12	/33	Vishay Israel, Ltd.

Manufacturer and Supplier Location Information

Manufacturer: AVX Tantalum Corp. (CAGE Code: 17554)
Location: 401 Hill Street, Biddeford, ME 04005-4335, US

Manufacturer: Vishay Israel, Ltd. (CAGE Code: SH905)
Location: Vishay Dimona, Dimona Industrial Zone, Dimona 86000, Israel

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Vishay Tansitor Electronics, Inc. (CAGE Code: 05079)
Location: P.O. Box 230, 2813 West Road, Bennington, VT 05201-9714, US

Plants:

1. Plant: Same Address as Manufacturer