



Overview

The KEMET standard MIL case hermetically sealed T140 Series (Extended Capacitance Range) is compact, ruggedly built and designed for miniaturized circuitry. The capacitors are especially well-suited for coupling, bypass filtering and RC timing circuits. The T140 Series exhibits excellent

stability, low DC leakage current, dissipation factor, and ESR/impedance over a wide temperature and frequency range. Available in standard EIA capacitance values from 0.82 μF to 1,200 μF in $\pm 20\%$ and $\pm 10\%$ tolerances and working voltages of 6 VDC to 60 VDC.

Key Features

- Taped and reeled per EIA Specification RS-296
- Marking per MIL-STD-1285
- Qualified to MIL-PRF-39003 (CSR23 Style)
- Failure rate options: Graded – B, C, D and G
Exponential – M, P, R, and S*
- Capacitance values of 0.82 μF to 1200 μF
- Tolerances of $\pm 10\%$ and $\pm 20\%$
- Voltage rating of 6 VDC–60 VDC
- Operating temperature range of -55°C to $+125^{\circ}\text{C}$
- Case sizes: A, B, C, D

**Failure rates apply to military products only*



Typical Applications

Typical applications include coupling, bypass, filtering and RC timing circuits in miniaturized circuitry.

Pse fsjoh!Jogps n bujpo!A!U251

T	140	B	105	K	050	B	S	7200
Capacitor Class	Series	Case Size	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Failure Rate/Military Product Only	Termination Finish	Specification
T = Tantalum	Hermetically Sealed Axial Capacitor	A B C D	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	006 = 6 010 = 10 015 = 15 020 = 20 030 = 30 035 = 35 060 = 60 050 = 50 060 = 60	A = N/A	S = Standard (Sn/Pb) T = 100% Tin	All capacitors are sleeved unless specified. 0100 = Without sleeve 7200 = Tape & Reel 7293 & 7443 = Ammo 4250 = 10 cycles, 25°C after Weibull 4251 = 10 cycles, -55 & 85°C after Weibull 4252 = 10 cycles, -55 & 85°C before Weibull

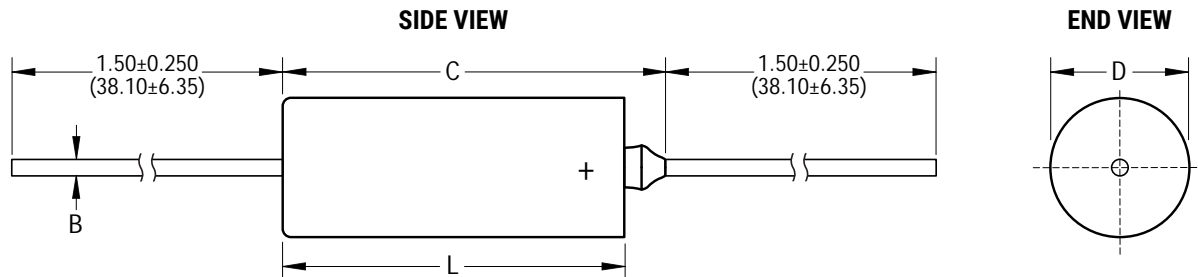
Pse fsjoh!Jogps n bujpo!A!U353!)DTS34!Tuzmf*

T	242	B	105	K	050	B	S	C
Capacitor Class	Series	Case Size	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Failure Rate/Military Product Only	Termination Finish	Specification
T = Tantalum	T242 = CSR23	A B C D	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	006 = 6 010 = 10 015 = 15 020 = 20 030 = 30 035 = 35 060 = 60 050 = 50 060 = 60	Graded: B = 0.1%/k hours C = 0.01%/k hours D = 0.001%/k hours G = 1.0%/k hours Exponential: M = 1%/k hours P = 0.1%/k hours R = 0.01%/k hours S = 0.001%/k hours	S = Standard	All capacitors are sleeved unless specified. 0100 = Without sleeve 7200 = Tape

Qfsgps n bod f!D i bsbdufsjtujdt

Juf n	Qfsgps n bod f!D i bsbdufsjtujdt
Operating Temperature	-55°C to 125°C
Rated Capacitance Range	0.82 – 1,200 µF at 120 Hz/25°C
Capacitance Tolerance	K Tolerance (10%), M Tolerance (20%)
Rated Voltage Range	6 – 60 V
DF (120 Hz at 25°C)	Refer to Part Number Electrical Specification Table
ESR and Impedance (100 kHz at 25°C)	Refer to Part Number Electrical Specification Table (for reference only)
Leakage Current	Refer to Part Number Electrical Specification Table (at rated voltage up to +85°C and 2/3 of rated voltage applied at 125°C)
Failure Rate (MIL-39003, CSR13 capacitors only)	Approved failure rate: S (0.001%/k hours) – Exponential, D (0.001%/k hours) – Graded

Ejn fotjpot!A!Jod i f t!)Njmmjn fufst*



Dbt f! Size	Vojotvmbufe		Jotvmbufe		B ±0.002 ±(0.05)	C Maximum
	D ±0.005 ±(0.13)	L ±0.031 ±(0.79)	D ±0.010 ±(0.25)	L ±0.031 ±(0.79)		
A	0.125 (3.18)	0.250 (6.35)	0.135 (3.43)	0.286 (7.26)	0.020 (0.51)	0.422 (10.72)
B	0.175 (4.45)	0.438 (11.13)	0.185 (4.70)	0.474 (12.04)	0.020 (0.51)	0.610 (15.49)
C	0.279 (7.09)	0.650 (16.51)	0.289 (7.34)	0.686 (17.42)	0.025 (0.64)	0.822 (20.88)
D	0.341 (8.66)	0.750 (19.05)	0.351 (8.92)	0.786 (19.96)	0.025 (0.64)	0.922 (23.42)

Ubcmf!2!A!Sbujot! ' !Qbsu!Ov n c fs!Sfgfsfodf

Sbufe! Wpmbuhf	Sbufe! Dbq	Dbt f! Size Dpef	LFNFU!Qbsu! Ov n c fs	DC Mfblbhf	EG! &!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst														
						Ebt i!Ov n c fs!Sfgfsfodf														LFNFU! Fr vjwbmfou! Njnjubsz
						Gbjmvf!Sbufe!Mfwfml!)&02-111! I pvst*														
						NJMQSGA4 : 11404G							NJMQSGA4 : 11404G							
						Fyqpo foujbm							Hsbefe							
VDC	µG		)Tfflc!f!p!x!g!ps !qbsu!p!q!j!p!o!t*	†B!bu!36±D Nby06!Njovuf t!	23!1! I {! Nbyj n v n	N)2/1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ov n c fs				
6	8.2	A	T140A825(1)006A(3)	0.9	6															
6	10.0	A	T140A106K006A(3)	0.9	6	0101	0201	0301	0401	5001	2001	3001	4001	T242A106K006(2)S						
6	10.0	A	T140A106M006A(3)	0.9	6	0102	0202	0302	0402	5002	2002	3002	4002	T242A106M006(2)S						
6	12.0	A	T140A126K006A(3)	1.0	6	0103	0203	0303	0403	5003	2003	3003	4003	T242A126K006(2)S						
6	12.0	A	T140A126M006A(3)	1.0	6															
6	68.0	B	T140B686(1)006A(3)	3.0	6															
6	82.0	B	T140B826(1)006A(3)	3.0	6															
6	100.0	B	T140B107K006A(3)	6.0	6	0104	0204	0304	0404	5004	2004	3004	4004	T242B107K006(2)S						
6	100.0	B	T140B107M006A(3)	6.0	6	0105	0205	0305	0405	5005	2005	3005	4005	T242B107M006(2)S						
6	220.0	C	T140C227(1)006A(3)	10.0	8															
6	270.0	C	T140C277(1)006A(3)	10.0	8															
6	330.0	C	T140C337K006A(3)	10.0	8	0106	0206	0306	0406	5006	2006	3006	4006	T242C337K006(2)S						
6	330.0	C	T140C337M006A(3)	10.0	8	0107	0207	0307	0407	5007	2007	3007	4007	T242C337M006(2)S						
6	390.0	C	T140C397K006A(3)	10.0	10	0108	0208	0308	0408	5008	2008	3008	4008	T242C397K006(2)S						
6	390.0	C	T140C397M006A(3)	10.0	10															
6	470.0	C	T140C477K006A(3)	10.0	10	0109	0209	0309	0409	5009	2009	3009	4009	T242C477K006(2)S						
6	470.0	C	T140C477M006A(3)	10.0	10	0110	0210	0310	0410	5010	2010	3010	4010	T242C477M006(2)S						
6	560.0	D	T140D567(1)006A(3)	20.0	10															
6	680.0	D	T140D687K006A(3)	20.0	10	0111	0211	0311	0411	5011	2011	3011	4011	T242D687K006(2)S						
6	680.0	D	T140D687M006A(3)	20.0	10	0112	0212	0312	0412	5012	2012	3012	4012	T242D687M006(2)S						
6	820.0	D	T140D827K006A(3)	20.0	10	0113	0213	0313	0413	5013	2013	3013	4013	T242D827K006(2)S						
6	820.0	D	T140D827M006A(3)	20.0	10															
6	1000.0	D	T140D108K006A(3)	20.0	10	0114	0214	0314	0414	5014	2014	3014	4014	T242D108K006(2)S						
6	1000.0	D	T140D108M006A(3)	20.0	10	0115	0215	0315	0415	5015	2015	3015	4015	T242D108M006(2)S						
6	1200.0	D	T140D128M006A(3)	20.0	10															
10	5.6	A	T140A565(1)010A(3)	1.0	4															
10	6.8	A	T140A685K010A(3)	1.0	6	0116	0216	0316	0416	5016	2016	3016	4016	T242A685K010(2)S						
10	6.8	A	T140A685M010A(3)	1.0	6	0117	0217	0317	0417	5017	2017	3017	4017	T242A685M010(2)S						
10	8.2	A	T140A825K010A(3)	1.2	6	0118	0218	0318	0418	5018	2018	3018	4018	T242A825K010(2)S						
10	8.2	A	T140A825M010A(3)	1.2	6															
10	47.0	B	T140B476K010A(3)	4.0	6	0119	0219	0319	0419	5019	2019	3019	4019	T242B476K010(2)S						
10	47.0	B	T140B476M010A(3)	4.0	6	0120	0220	0320	0420	5020	2020	3020	4020	T242B476M010(2)S						
10	56.0	B	T140B566K010A(3)	5.0	6	0121	0221	0321	0421	5021	2021	3021	4021	T242B566K010(2)S						
10	56.0	B	T140B566M010A(3)	5.0	6															
10	68.0	B	T140B686K010A(3)	6.0	6	0122	0222	0322	0422	5022	2022	3022	4022	T242B686K010(2)S						
10	68.0	B	T140B686M010A(3)	6.0	6	0123	0223	0323	0423	5023	2023	3023	4023	T242B686M010(2)S						
10	82.0	B	T140B826K010A(3)	7.0	6	0124	0224	0324	0424	5024	2024	3024	4024	T242B826K010(2)S						
10	82.0	B	T140B826M010A(3)	7.0	6															
10	150.0	C	T140C157(1)010A(3)	8.0	8															
10	180.0	C	T140C187(1)010A(3)	8.0	8															
10	220.0	C	T140C227K010A(3)	12.0	8	0125	0225	0325	0425	5025	2025	3025	4025	T242C227K010(2)S						
10	220.0	C	T140C227M010A(3)	12.0	8	0126	0226	0326	0426	5026	2026	3026	4026	T242C227M010(2)S						
10	270.0	C	T140C277K010A(3)	13.0	8	0127	0227	0327	0427	5027	2027	3027	4027	T242C277K010(2)S						
10	270.0	C	T140C277M010A(3)	13.0	8															
10	330.0	D	T140D337(1)010A(3)	16.0	8															
10	390.0	D	T140D397K010A(3)	16.0	10	0128	0228	0328	0428	5028	2028	3028	4028	T242D397K010(2)S						
10	390.0	D	T140D397M010A(3)	16.0	10															
10	470.0	D	T140D477K010A(3)	16.0	10	0129	0229	0329	0429	5029	2029	3029	4029	T242D477K010(2)S						
10	470.0	D	T140D477M010A(3)	16.0	10	0130	0230	0330	0430	5030	2030	3030	4030	T242D477M010(2)S						
VDC	µG		)Tfflc!f!p!x!g!ps !qbsu!p!q!j!p!o!t*	†B!bu!36±D Nby06!Njovuf t!	23!1! I {! Nbyj n v n	N)2/1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ov n c fs				
Sbufe! Wpmbuhf	Sbufe! Dbq	Dbt f! Dpef	LFNFU!Qbsu! Ov n c fs	DC Mfblbhf	EG!&!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst														

(1) To complete KEMET part number, insert M for ±20% or K for ±10%. Designates capacitance tolerance.

(2) To complete KEMET part number (T242), insert failure rate code from Ordering Information table.

(3) To complete KEMET T140 Part Number, insert Lead Material designator: S – Standard or T – 100% Matte Tin. Designates termination finish.

Sbufe! Wpmubhf	Sbufe! Dbq	Dbt f! Size Dpef	LFNFU!Qbsu! Ovncfs	DC Mfblbhf	EG! &!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst										LFNFU! Fr vjwbmfou! Njnjubsz
						Ebt i!Ovncfs!Sfgfsfodf										
						Gbjmvsf!Sbuf!Mfwfml!)&02-111!I pvst*										
						NJMQSGA4 : 11404G					NJMQSGA4 : 11404G					
						Fyqpo foujbm					Hsbefe					
VDC	τG		)Tf flc fmp x!gps qbsu!pqjpot*	†B!bu!36±D Nby06!Njovuf t!	231!! {! Nbyjnv n	N)2/1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ovncfs
10	560.0	D	T140D567K010A(3)	20.0	10	0131	0231	0331	0431	5031	2031	3031	4031	T242D567K010(2)S		
10	560.0	D	T140D567M010A(3)	20.0	10											
15	3.9	A	T140A395(1)015A(3)	1	4											
15	4.7	A	T140A475K015A(3)	1	4	0132	0232	0332	0432	5032	2032	3032	4032	T242A475K015(2)S		
15	4.7	A	T140A475M015A(3)	1	4	0133	0233	0333	0433	5033	2033	3033	4033	T242A475M015(2)S		
15	5.6	A	T140A565K015A(3)	1.3	4	0134	0234	0334	0434	5034	2034	3034	4034	T242A565K015(2)S		
15	5.6	A	T140A565M015A(3)	1.3	4											
15	27.0	B	T140B276(1)015A(3)	3	6											
15	33.0	B	T140B336K015A(3)	5	6	0135	0235	0335	0435	5035	2035	3035	4035	T242B336K015(2)S		
15	33.0	B	T140B336M015A(3)	5	6	0136	0236	0336	0436	5036	2036	3036	4036	T242B336M015(2)S		
15	39.0	B	T140B396K015A(3)	5.3	6	0137	0237	0337	0437	5037	2037	3037	4037	T242B396K015(2)S		
15	39.0	B	T140B396M015A(3)	5.3	6											
15	82.0	C	T140C826(1)015A(3)	8	6											
15	100.0	C	T140C107(1)015A(3)	10	6											
15	120.0	C	T140C127(1)015A(3)	10	6											
15	150.0	C	T140C157K015A(3)	15	8	0138	0238	0338	0438	5038	2038	3038	4038	T242C157K015(2)S		
15	150.0	C	T140C157M015A(3)	15	8	0139	0239	0339	0439	5039	2039	3039	4039	T242C157M015(2)S		
15	180.0	C	T140C187K015A(3)	15	8	0140	0240	0340	0440	5040	2040	3040	4040	T242C187K015(2)S		
15	180.0	C	T140C187M015A(3)	15	8											
15	220.0	D	T140D227K015A(3)	20	8	0141	0241	0341	0441	5041	2041	3041	4041	T242D227K015(2)S		
15	220.0	D	T140D227M015A(3)	20	8	0142	0242	0342	0442	5042	2042	3042	4042	T242D227M015(2)S		
15	270.0	D	T140D277K015A(3)	20	8	0143	0243	0343	0443	5043	2043	3043	4043	T242D277K015(2)S		
15	270.0	D	T140D277M015A(3)	20	8											
15	330.0	D	T140D337K015A(3)	20	8	0144	0244	0344	0444	5044	2044	3044	4044	T242D337K015(2)S		
15	330.0	D	T140D337M015A(3)	20	8	0145	0245	0345	0445	5045	2045	3045	4045	T242D337M015(2)S		
20	2.7	A	T140A275K020A(3)	0.8	4	0146	0246	0346	0446							

Ubcmf!2!A!Sbujoh t! ' !Qbsu!Ov n c fs!Sfgfsfodf!dpou(e

Sbufe! Wpmbuhf	Sbufe! Dbq	Dbt f! Size Dpef	LFNFU!Qbsu! Ov n c fs	DC Mfblbhf	EG! &!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst										LFNFU! Fr vjwbmfou! Njnjubsz
						Ebt i!Ov n c fs!Sfgfsfodf										
						Gbjmvf!Sbufe!Mfwfml!)&02-111! I pvst*										
						NJMQSGA4 : 11404G					NJMQSGA4 : 11404G					
						Fyqpo foujbm					Hsbe fe					
VDC	⊖G		)Tf f!c f!p x!gps !qbsu!pajipot*	⊖B!bu!36±D Nby06!Njovuf t!	231! I {! Nbyj n v n	N)2!1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ov n c fs
20	180.0	D	T140D187K020A(3)	15.0	8	0163	0263	0363	0463	5063	2063	3063	4063	T242D187K020(2)S		
20	180.0	D	T140D187M020A(3)	15.0	8											
30	1.2	A	T140A125(1)030A(3)	1.0	4											
30	1.5	A	T140A155(1)030A(3)	1.0	4											
30	1.8	A	T140A185(1)030A(3)	1.0	4											
30	2.2	A	T140A225(1)030A(3)	1.0	4											
30	2.7	A	T140A275(1)030A(3)	1.0	4											
30	12.0	B	T140B126(1)030A(3)	3.0	4											
30	15.0	B	T140B156(1)030A(3)	3.0	4											
30	18.0	B	T140B186(1)030A(3)	3.0	4											
30	33.0	C	T140C336(1)030A(3)	6.0	6											
30	39.0	C	T140C396(1)030A(3)	6.0	6											
30	47.0	C	T140C476(1)030A(3)	7.0	6											
30	56.0	C	T140C566(1)030A(3)	7.0	6											
30	68.0	C	T140C686(1)030A(3)	7.0	6											
30	82.0	D	T140D826(1)030A(3)	10.0	6											
30	100.0	D	T140D107(1)030A(3)	10.0	8											
35	1.2	A	T140A125(1)035A(3)	0.6	4											
35	1.5	A	T140A155(1)035A(3)	0.8	4											
35	1.8	A	T140A185K035A(3)	1.0	4	0164	0264	0364	0464	5064	2064	3064	4064	T242A185K035(2)S		
35	1.8	A	T140A185M035A(3)	1.0	4											
35	8.2	B	T140B825K035A(3)	3.0	4	0165	0265	0365	0465	5065	2065	3065	4065	T242B825K035(2)S		
35	8.2	B	T140B825M035A(3)	3.0	4											
35	10.0	B	T140B106K035A(3)	3.0	4	0166	0266	0366	0466	5066	2066	3066	4066	T242B106K035(2)S		
35	10.0	B	T140B106M035A(3)	3.0	4	0167	0267	0367	0467	5067	2067	3067	4067	T242B106M035(2)S		
35	27.0	C	T140C276(1)035A(3)	7.0	6											
35	33.0	C	T140C336K035A(3)	8.0	6	0168	0268	0368	0468	5068	2068	3068	4068	T242C336K035(2)S		
35	33.0	C	T140C336M035A(3)	8.0	6	0169	0269	0369	0469	5069	2069	3069	4069	T242C336M035(2)S		
35	39.0	C	T140C396K035A(3)	10.0	6	0170	0270	0370	0470	5070	2070	3070	4070	T242C396K035(2)S		
35	39.0	C	T140C396M035A(3)	10.0	6											
35	47.0	C	T140C476K035A(3)	10.0	6	0171	0271	0371	0471	5071	2071	3071	4071	T242C476K035(2)S		
35	47.0	C	T140C476M035A(3)	10.0	6	0172	0272	0372	0472	5072	2072	3072	4072	T242C476M035(2)S		
35	56.0	D	T140D566K035A(3)	12.0	6	0173	0273	0373	0473	5073	2073	3073	4073	T242D566K035(2)S		
35	56.0	D	T140D566M035A(3)	12.0	6											
35	68.0	D	T140D686K035A(3)	12.0	6	0174	0274	0374	0474	5074	2074	3074	4074	T242D686K035(2)S		
35	68.0	D	T140D686M035A(3)	12.0	6	0175	0275	0375	0475	5075	2075	3075	4075	T242D686M035(2)S		
35	82.0	D	T140D826(1)035A(3)	20.0	8											
35	100.0	D	T140D107(1)035A(3)	20.0	8											
50	1.2	A	T140A125K050A(3)	0.6	4	0176	0276	0376	0476	5076	2076	3076	4076	T242A125K050(2)S		
50	1.2	A	T140A125M050A(3)	0.6	4											
50	1.5	A	T140A155K050A(3)	0.8	4	0177	0277	0377	0477	5077	2077	3077	4077	T242A155K050(2)S		
50	1.5	A	T140A155M050A(3)	0.8	4	0178	0278	0378	0478	5078	2078	3078	4078	T242A155M050(2)S		
50	5.6	B	T140B565K050A(3)	2.5	4	0179	0279	0379	0479	5079	2079	3079	4079	T242B565K050(2)S		
50	5.6	B	T140B565M050A(3)	2.5	4											
50	6.8	B	T140B685K050A(3)	2.5	4	0180	0280	0380	0480	5080	2080	3080	4080	T242B685K050(2)S		
50	6.8	B	T140B685M050A(3)	2.5	4	0181	0281	0381	0481	5081	2081	3081	4081	T242B685M050(2)S		
50	22.0	C	T140C226K050A(3)	7.0	6	0182	0282	0382	0482	5082	2082	3082	4082	T242C226K050(2)S		
50	22.0	C	T140C226M050A(3)	7.0	6	0183	0283	0383	0483	5083	2083	3083	4083	T242C226M050(2)S		
50	27.0	C	T140C276K050A(3)	8.0	6	0184	0284	0384	0484	5084	2084	3084	4084	T242C276K050(2)S		
50	27.0	C	T140C276M050A(3)	8.0	6											
VDC	⊖G	Dbt f!Tj{f! Dpef	)Tf f!c f!p x!gps !qbsu!pajipot*	⊖B!bu!36±D Nby06!Njovuf t!	231! I {! Nbyj n v n	N)2!1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ov n c fs	
Sbufe! Wpmbuhf	Sbufe! Dbq		LFNFU!Qbsu! Ov n c fs	DC Mfblbhf	EG!&!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst										

- (1) To complete KEMET part number, insert M for ±20% or K for ±10%. Designates capacitance tolerance.
- (2) To complete KEMET part number (T242), insert failure rate code from Ordering Information table.
- (3) To complete KEMET T140 Part Number, insert Lead Material designator: S – Standard or T – 100% Matte Tin. Designates termination finish.

Ubcmf!2!A!Sbujot!'!Qbsu!Ovncfs!Sfgfsfodf!dpou(e

Sbufe! Wpmbhf	Sbufe! Dbq	Dbt f! Size Dpef	LFNFU!Qbsu! Ovncfs	DC Mfblbhf	EG! &!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst								LFNFU! Fr vjwbmfou! Njmjubsz
						Ebt i!Ovncfs!Sfgfsfodf								
						Gbjmvsf!Sbuf!Mfwfml!&02-111!I pvst*								
						NJMQSGA4 : 11404G				NJMQSGA4 : 11404G				
						Fyqpo foujbm				Hsbefe				
VDC	¶G)Tff!c f!p x!g ps qbsu!pqjipot*	¶B!bu!36±D Nby06!Njovuf t!	231! I {! Nbyj n v n	N)2/1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ovncfs
50	27.0	C	T140C276M050A(3)	8.0	6									T242D336K050(2)S T242D336M050(2)S T242D396K050(2)S
50	33.0	D	T140D336K050A(3)	10.0	6	0185	0285	0385	0485	5085	2085	*	*	
50	33.0	D	T140D336M050A(3)	10.0	6	0186	0286	0386	0486	5086	2086	*	*	
50	39.0	D	T140D396K050A(3)	10.0	6	0187	0287	0387	0487	5087	2087	*	*	
50	39.0	D	T140D396M050A(3)	10.0	6									
50	47.0	D	T140D476M050A(3)	10.0	6									
60	0.82	A	T140A824(1)060A(3)	0.5	4									
60	1.0	A	T140A105(1)060A(3)	0.5	4									
60	4.7	B	T140B475(1)060A(3)	3.0	4									
60	5.6	B	T140B565(1)060A(3)	3.0	4									
60	15.0	C	T140C156(1)060A(3)	5.0	6									
60	18.0	C	T140C186(1)060A(3)	6.0	6									
60	22.0	C	T140C226(1)060A(3)	7.0	6									
60	27.0	D	T140D276(1)060A(3)	10.0	6									
60	33.0	D	T140D336(1)060A(3)	10.0	6									
VDC	¶G)Tff!c f!p x!g ps qbsu!pqjipot*	¶B!bu!36±D Nby06!Njovuf t!	231! I {! Nbyj n v n	N)2/1*	Q)1/2*	S)1/12*	S)1/112*	G)2*	B)1/2*	C)1/12*	D)1/112*	Qbsu!Ovncfs
Sbufe! Wpmbhf	Sbufe! Dbq	Dbt f! Tj {f! Dpef	LFNFU!Qbsu! Ovncfs	DC Mfblbhf	EG! &!bu! 25°C	NJMQSGA4 : 114!)DTS34*!Dbqbdjupst								

- (1) To complete KEMET part number, insert M for ±20% or K for ± 10%. Designates capacitance tolerance.
- (2) To complete KEMET part number (T242), insert failure rate code from Ordering Information table.
- (3) To complete KEMET T140 Part Number, insert Lead Material designator: S – Standard or T – 100% Matte Tin. Designates termination finish.

Permissible AC Ripple Voltage

Permissible AC ripple voltage is related to the ESR of the capacitor and the power dissipation capabilities of a particular case size.

Thermal capacities for the various case sizes have been determined empirically and are

Storage Life

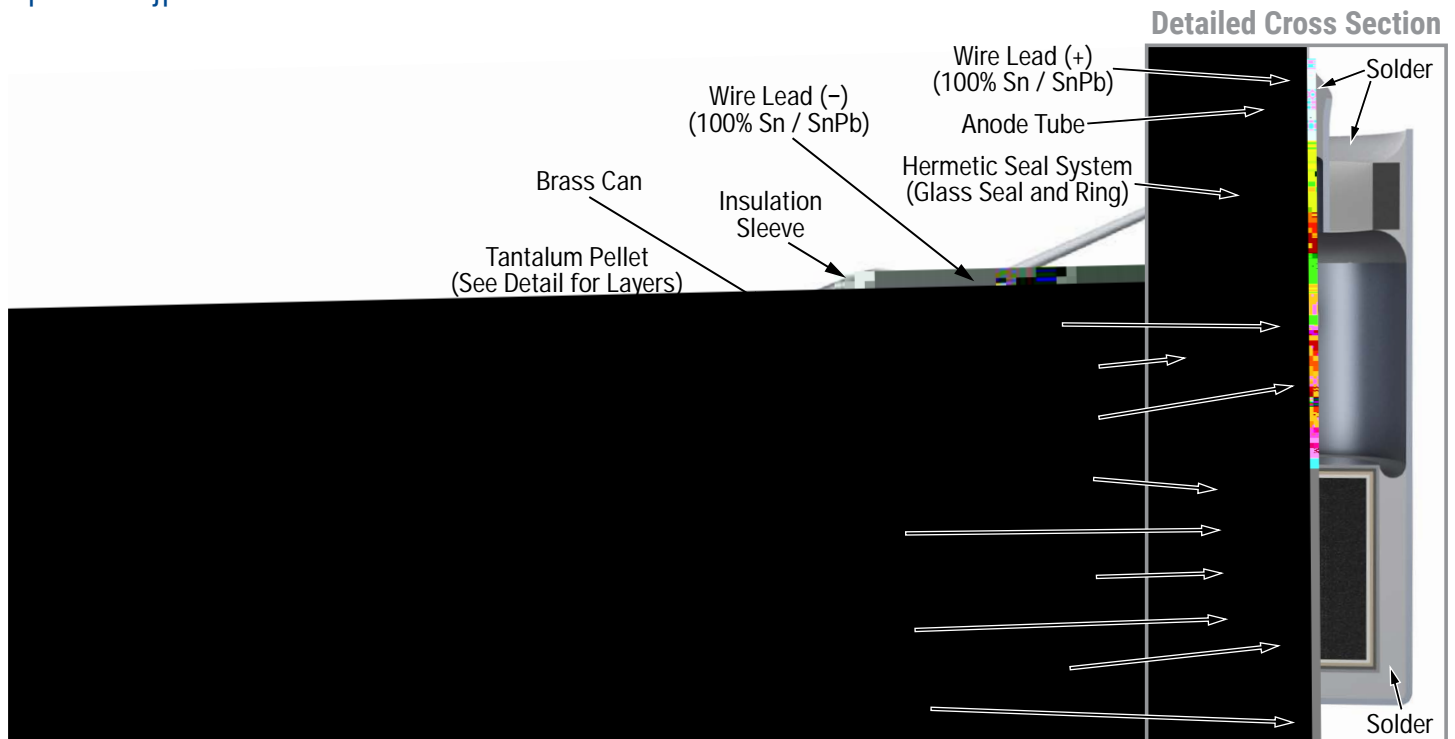
Although these are polar capacitors, some degree of transient voltage reversal is permissible, as seen below. The capacitors should not be operated continuously in reverse mode, even within these limits.

Temperature	Life (Hours)
+25°C	15
+85°C	5
+125°C	1

Resistance to Soldering Heat

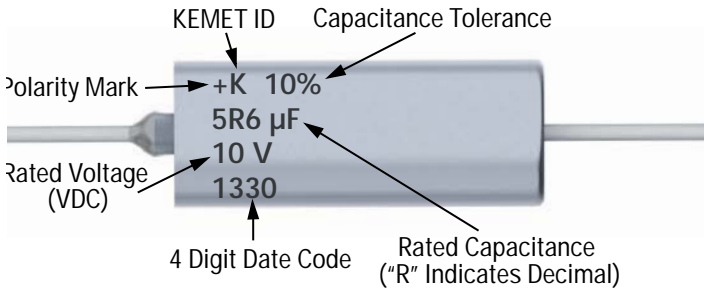
All enclosed capacitors will pass the Resistance to Soldering Heat Test of MIL-STD-202, Method 210, Condition C. This test simulates wave solder of topside board mount product. This demonstration of resistance to solder heat is in accordance with what is believed to be the industry standard. More severe treatment must be considered reflective of an improper soldering process. The above figure is a recommended solder wave profile for both axial and radial leaded solid tantalum capacitors.

Construction

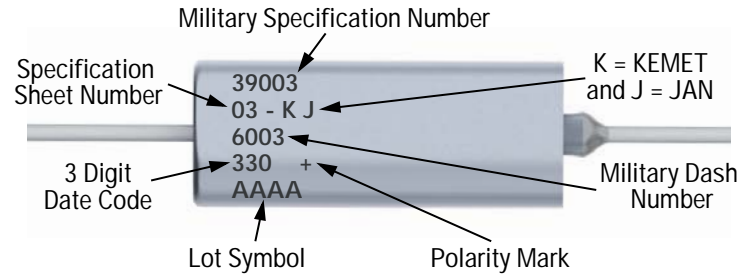


Dbqbdjups! Nbs l joh

T140

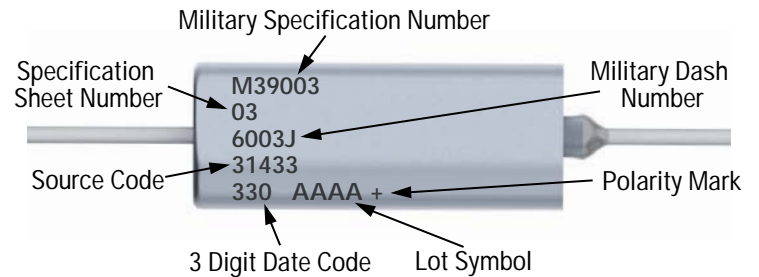


T242 – A Case

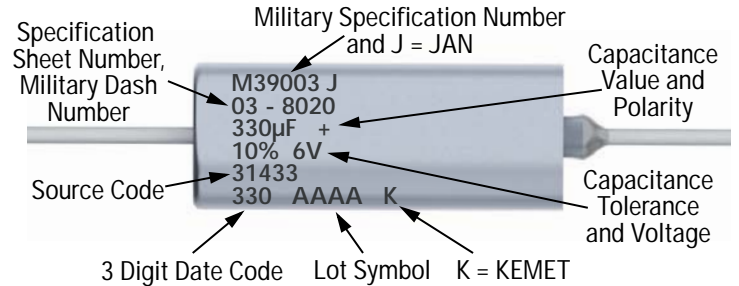


Ebuf!Dpef	4!Ejhju	5!Ejhju
Year	5 = 2015 6 = 2016 7 = 2017 8 = 2018 9 = 2019	15 = 2015 16 = 2016 17 = 2017 18 = 2018 19 = 2019
Week	01 = 1 st week of the year to 52 = 52 nd week of the year	

T242 – B Case



T242 – C and D Case



Tupsbh f

Tantalum hermetically sealed capacitors should be stored in normal working environments. While the capacitors themselves are quite robust in other environments, solderability will be degraded by exposure to high temperatures, high humidity, corrosive atmospheres, and long term storage. In addition, packaging materials will be degraded by high temperature – reels may soften or warp and tape peel force may increase. KEMET recommends that maximum storage temperature not exceed 40°C and maximum storage humidity not exceed 60% relative humidity. Temperature fluctuations should be minimized to avoid condensation on the parts and atmospheres should be free of chlorine and sulphur bearing compounds. For optimized solderability capacitors stock should be used promptly, preferably within three years of receipt.

Ubq f ! ' ! S f f m ! Qbd l bhjoh ! Jogps n bujpo

KEMET offers standard reeling of Solid Tantalum Capacitors for automatic insertion or lead forming machines per EIA Specification RS-296E.



Ubc m f ! 3 ! A ! Qbd l bhjoh ! Rvboujuz

Dbt f ! Tj { f	Tuboebse ! Cv m ! Rvboujuz	Tuboebse ! S f f m ! Rvboujuz	S f f m ! D . Tq fd	B n n p ! Qbd ! Rvboujuz	B n n p ! Qbd ! D . Tq fd
A	150/Box	3,500	C-7200	1,500	C-7293
B	75/Box	2,500	C-7200	1,000	Class I
C	20/Tray	500	C-7200	250	C-7442
D	20/Tray	400	C-7200	250	Class II C-7443 Class III

