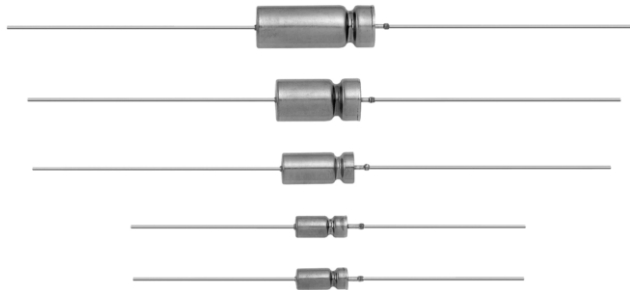


# Wet Tantalum Capacitors

## Tantalum-Case with Glass-to-Tantalum Hermetic Seal

### For - 55 °C to + 200 °C Operation



**FEATURES**

Terminations : standard Tin/lead (SnPb), 100 %  
Tin (RoHS compliant) available



Available

Standard and Extended Ratings

**RoHS\***  
COMPLIANT

Model 135D tantalum-case tantalum electrolytic capacitors incorporate the advantages of all the varieties of electrolytic capacitors and eliminate most of the disadvantages. These units have a 3 volt reverse voltage capability at + 85 °C and a higher ripple current capability than any other electrolytic type with similar combinations of capacitance and case size.

Designed for the aerospace applications, this capacitor was developed under partial sponsorship of the Marshall Space Flight Center, National Aeronautics and Space Administration. The capacitors have a high resistance to damage from shock and vibration. Extended range ratings and high temperature designs are available.

Model 135D capacitors are commercial equivalents of Tansitor Style; AQ, AR, HAQ, HAR, Mallory-NACC Style; TLT, TXT, THT, THX and Military Style CLR79 and CLR81, designed to meet the performance requirements of Military Specification MIL-PRF-39006/22/25. Capacitors to meet MILPRF- 39006/22/25 should be ordered by part numbers shown in that specification.

**PERFORMANCE CHARACTERISTICS**

**Operating Temperature:** - 55 °C to + 85 °C.  
(To + 200 °C with voltage derating.)

**Capacitance Tolerance:** At 120 Hz, + 25 °C. ± 20 % standard. ± 10 %, ± 5 % available as special.

**DC Leakage Current (DCL Max.):** At + 25 °C and above: Leakage current shall not exceed the values listed in the Standard Ratings Tables.

**Life Test:** Capacitors are capable of withstanding a 2000 hour life test at a temperature of + 85 °C or + 125 °C at the applicable rated DC working voltage.

Following life test:

1. DCL, measured at + 85 °C rated voltage, shall not be in excess of the original requirement.
2. The equivalent series resistance shall not exceed 150 % of the initial requirement.
3. Change in capacitance shall not exceed 10 % from the initial measurement.

<b>ORDERING INFORMATION</b>						
135D	306	X0	006	C	2	E3
MODEL	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	CASE CODE	STYLE NUMBER	RoHS COMPLIANT
<div style="border: 1px solid black; padding: 2px;">                     This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.                 </div>	<div style="border: 1px solid black; padding: 2px;">                     X0 = ± 20 %                      X9 = ± 10 %                      X5 = ± 5 %                 </div>	<div style="border: 1px solid black; padding: 2px;">                     This is expressed in volts. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 volts).                 </div>	<div style="border: 1px solid black; padding: 2px;">                     See Ratings and Case Codes Table.                 </div>	<div style="border: 1px solid black; padding: 2px;"> <p style="text-align: center;"><b>Standard</b></p>                     0 = No outer tube.                      2 = Outer polyesterfilm insulation.   <p style="text-align: center;"><b>High Temperature</b></p>                     8 = No outer tube.                      6 = High temperature film insulation (above + 125 °C).                 </div>	<div style="border: 1px solid black; padding: 2px;">                     E3 = 100 % tin termination (RoHS compliant design)                      Blank = SnPb termination (standard design)                 </div>	
<p><b>Packaging:</b> The use of formed plastic trays for packaging these axial lead components is standard. Tape and reel is not recommended due to the unit weight.</p>						

\* Pb containing terminations are not RoHS compliant, exemptions may apply

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DIMENSIONS in inches [millimeters]						
CASE CODE		D	L1	L2 (Max.)	E	WEIGHT IN GRAMS (Max.)
TYPE 135D	DCLR 79/81 EQUIV.					
C	T1	0.188 ± 0.016 [4.78 ± 0.41]	0.453 + 0.031 - 0.016 [11.51 + 0.79 - 0.41]	0.734 [18.64]	1.500 ± 0.250 [38.10 ± 6.35]	2.6
F	T2	0.281 ± 0.016 [7.14 ± 0.41]	0.641 + 0.031 - 0.016 [16.28 + 0.79 - 0.41]	0.922 [23.42]	2.250 ± 0.250 [57.15 ± 6.35]	6.2
T	T3	0.375 ± 0.016 [9.53 ± 0.41]	0.766 + 0.031 - 0.016 [19.46 + 0.79 - 0.41]	1.047 [26.59]	2.250 ± 0.250 [57.15 ± 6.35]	11.6
K	T4	0.375 ± 0.016 [9.53 ± 0.41]	1.062 + 0.031 - 0.016 [26.97 + 0.79 - 0.41]	1.343 [34.11]	2.250 ± 0.250 [57.15 ± 6.35]	17.7

\*For insulated parts, add 0.015" [0.38] to the diameter. The insulation shall lap over the ends of the capacitor body.

STANDARD RATINGS										
CAPACITANCE (µF)	CASE CODE	PART NUMBER*	Max. ESR	Max. IMP.	Max. DCL (µA)		Max. CAPACITANCE CHANGE (%)			Max. RIPPLE 40 kHz rms (mA)
			at + 25 °C 120 Hz (Ohms)	at - 55 °C 120 Hz (Ohms)	at + 25 °C	at + 85 °C + 125 °C	- 55 °C	+ 85 °C	+ 125 °C	
<b>6 WVDC at + 85 °C ... 4 WVDC at + 125 °C ... 3.6 WVDC at + 200 °C</b>										
30	C	135D306X0006C2	4.0	100	1.0	2.0	- 40	+ 10.5	+ 12	820
68	C	135D686X0006C2	3.2	60	1.0	2.0	- 40	+ 14	+ 16	960
140	F	135D147X0006F2	2.0	40	1.0	3.0	- 40	+ 14	+ 16	1200
270	F	135D277X0006F2	2.2	25	1.0	6.5	- 44	+ 17.5	+ 20	1375
330	T	135D337X0006T2	1.4	20	2.0	7.9	- 44	+ 14	+ 16	1800
560	T	135D567X0006T2	1.3	25	2.0	13.0	- 64	+ 17.5	+ 20	1900
1200	K	135D128X0006K2	1.0	20	3.0	14.0	- 80	+ 25	+ 25	2265
<b>8 WVDC at + 85 °C ... 5 WVDC at + 125 °C ... 4.8 WVDC at + 200 °C</b>										
25	C	135D256X0008C2	4.0	100	1.0	2.0	- 40	+ 10.5	+ 12	820
56	C	135D566X0008C2	3.3	59	1.0	2.0	- 40	+ 14	+ 16	900
120	F	135D127X0008F2	2.6	50	1.0	2.0	- 44	+ 17.5	+ 20	1230
220	F	135D227X0008F2	2.4	30	1.0	7.0	- 44	+ 17.5	+ 20	1370
290	T	135D297X0008T2	1.8	25	2.0	6.0	- 64	+ 17.5	+ 20	1770
430	T	135D437X0008T2	1.4	25	2.0	14.0	- 64	+ 17.5	+ 20	1825
850	K	135D857X0008K2	1.0	22	4.0	16.0	- 80	+ 25	+ 25	2330
<b>10 WVDC at + 85 °C ... 7 WVDC at + 125 °C ... 6 WVDC at + 200 °C</b>										
20	C	135D206X0010C2	4.0	120	1.0	2.0	- 32	+ 10.5	+ 12	820
47	C	135D476X0010C2	3.7	90	1.0	2.0	- 36	+ 14	+ 16	855
100	F	135D107X0010F2	2.4	60	1.0	4.0	- 36	+ 14	+ 16	1200
180	F	135D187X0010F2	2.2	40	1.0	7.0	- 36	+ 14	+ 16	1365
250	T	135D257X0010T2	1.8	30	2.0	10.0	- 40	+ 14	+ 16	1720
390	T	135D397X0010T2	1.5	25	2.0	16.0	- 64	+ 17.5	+ 20	1800
750	K	135D757X0010K2	1.0	23	4.0	16.0	- 80	+ 25	+ 25	2360
<b>15 WVDC at + 85 °C ... 10 WVDC at + 125 °C ... 9 WVDC at + 200 °C</b>										
15	C	135D156X0015C2	4.4	155	1.0	2.0	- 24	+ 10.5	+ 12	780
33	C	135D336X0015C2	4.0	90	1.0	2.0	- 28	+ 14	+ 16	820
70	F	135D706X0015F2	2.8	75	1.0	4.0	- 28	+ 14	+ 16	1150
120	F	135D127X0015F2	2.6	50	1.0	7.0	- 28	+ 17.5	+ 20	1450
170	T	135D177X0015T2	2.4	35	2.0	10.0	- 32	+ 14	+ 16	1480
270	T	135D277X0015T2	2.2	30	2.0	16.0	- 56	+ 17.5	+ 20	1740
540	K	135D547X0015K2	1.0	23	6.0	24.0	- 80	+ 25	+ 25	2330

\* Part Numbers listed are for units with ± 20 % capacitance tolerance insulated capacitors. For ± 10 % tolerance capacitors, change the digit following the letter "X" from "0" to "9"; for ± 5 %, change the digit following the letter "X" from "0" to "5". For capacitors without outer polyester-film insulation, change the last digit in the part number from "2" to "0". For capacitors with a high temperature insulating sleeve, change the last digit in the part number from "2" to "6". For RoHS compliant add "E3".

Wet Tantalum Capacitors  
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For - 55 °C to + 200 °C Operation

STANDARD RATINGS												
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER*	Max. ESR at		Max. IMP. at		Max. DCL ( $\mu$ A) at		Max. CAPACITANCE CHANGE (%) at			Max. RIPPLE 40 kHz rms (mA)
			+ 25 °C 120 Hz (Ohms)	- 55 °C 120 Hz (Ohms)	+ 25 °C	+ 85 °C + 125 °C	+ 25 °C	+ 85 °C	+ 125 °C	- 55 °C	+ 85 °C	
<b>25 WVDC at + 85 °C ... 15 WVDC at + 125 °C ... 12 WVDC at + 200 °C</b>												
10	C	135D106X0025C2	5.3	220	1.0	2.0	- 16	+ 8	+ 9		715	
22	C	135D226X0025C2	4.2	140	1.0	2.0	- 20	+ 10.5	+ 12		800	
50	F	135D506X0025F2	3.0	70	1.0	2.0	- 28	+ 13	+ 15		1130	
100	F	135D107X0025F2	2.8	50	1.0	10.0	- 28	+ 13	+ 15		1435	
120	T	135D127X0025T2	2.6	38	2.0	6.0	- 32	+ 13	+ 15		1450	
180	T	135D187X0025T2	2.2	32	2.0	18.0	- 48	+ 13	+ 15		1525	
350	K	135D357X0025K2	1.3	24	7.0	28.0	- 70	+ 25	+ 25		1970	
<b>30 WVDC at + 85 °C ... 20 WVDC at + 125 °C ... 18 WVDC at + 200 °C</b>												
8	C	135D805X0030C2	6.6	275	1.0	2.0	- 16	+ 8	+ 12		640	
15	C	135D156X0030C2	6.2	175	1.0	2.0	- 20	+ 10.5	+ 12		780	
40	F	135D406X0030F2	4.0	65	1.0	5.0	- 24	+ 10.5	+ 12		1120	
68	F	135D686X0030F2	2.9	60	1.0	8.0	- 24	+ 13	+ 15		1285	
100	T	135D107X0030T2	2.7	40	2.0	12.0	- 28	+ 10.5	+ 12		1450	
150	T	135D157X0030T2	2.3	35	2.0	18.0	- 48	+ 13	+ 15		1525	
300	K	135D307X0030K2	1.4	25	8.0	32.0	- 60	+ 25	+ 25		1950	
<b>35 WVDC at + 85 °C ... 22 WVDC at + 125 °C ... 21 WVDC at + 200 °C</b>												
15	C	135D156X0035C2	6.2	175	0.75	1.5	- 20	+ 10.5	+ 12		660	
68	F	135D686X0035F2	2.9	60	1.0	2.0	- 24	+ 13	+ 15		1195	
270	K	135D277X0035K2	1.4	26	3.0	12.0	- 58	+ 25	+ 25		1950	
<b>50 WVDC at + 85 °C ... 30 WVDC at + 125 °C ... 30 WVDC at + 200 °C</b>												
5	C	135D505X0050C2	8.0	400	1.0	2.0	- 16	+ 5	+ 6		580	
10	C	135D106X0050C2	6.4	250	1.0	2.0	- 24	+ 8	+ 9		715	
25	F	135D256X0050F2	4.6	95	1.0	5.0	- 20	+ 10.5	+ 12		1005	
47	F	135D476X0050F2	3.7	70	1.0	9.0	- 28	+ 13	+ 15		1155	
60	T	135D606X0050T2	2.9	45	2.0	12.0	- 16	+ 10.5	+ 12		1335	
82	T	135D826X0050T2	2.5	45	2.0	16.0	- 32	+ 13	+ 15		1400	
160	K	135D167X0050K2	1.5	27	8.0	32.0	- 50	+ 25	+ 25		1900	
<b>60 WVDC at + 85 °C ... 40 WVDC at + 125 °C ... 36 WVDC at + 200 °C</b>												
4	C	135D405X0060C2	9.3	550	1.0	2.0	- 16	+ 5	+ 6		525	
8.2	C	135D825X0060C2	6.6	275	1.0	2.0	- 24	+ 8	+ 9		625	
20	F	135D206X0060F2	4.7	105	1.0	5.0	- 16	+ 8	+ 9		930	
39	F	135D396X0060F2	3.4	90	1.0	9.0	- 28	+ 10.5	+ 15		1110	
50	T	135D506X0060T2	2.9	50	2.0	12.0	- 16	+ 10.5	+ 12		1330	
68	T	135D686X0060T2	2.5	50	2.0	16.0	- 32	+ 10.5	+ 15		1365	
140	K	135D147X0060K2	1.5	28	8.0	32.0	- 40	+ 20	+ 20		1850	
<b>75 WVDC at + 85 °C ... 50 WVDC at + 125 °C ... 45 WVDC at + 200 °C</b>												
3.5	C	135D355X0075C2	9.5	650	1.0	2.0	- 16	+ 5	+ 6		525	
6.8	C	135D685X0075C2	6.8	300	1.0	2.0	- 20	+ 8	+ 9		610	
15	F	135D156X0075F2	5.3	150	1.0	5.0	- 16	+ 8	+ 9		890	
33	F	135D336X0075F2	4.2	90	1.0	10.0	- 24	+ 10.5	+ 15		1000	
40	T	135D406X0075T2	3.0	60	2.0	12.0	- 16	+ 10.5	+ 12		1250	
56	T	135D566X0075T2	2.6	60	2.0	17.0	- 28	+ 10.5	+ 15		1335	
110	K	135D117X0075K2	1.5	29	9.0	36.0	- 35	+ 20	+ 20		1850	
<b>100 WVDC at + 85 °C ... 65 WVDC at + 125 °C ... 60 WVDC at + 200 °C</b>												
2.5	C	135D255X0100C2	10.6	950	1.0	2.0	- 16	+ 7	+ 8		505	
4.7	C	135D475X0100C2	8.5	500	1.0	2.0	- 16	+ 7	+ 8		565	
11	F	135D116X0100F2	6.0	200	1.0	4.0	- 16	+ 7	+ 8		835	
22	F	135D226X0100F2	4.8	100	1.0	9.0	- 16	+ 7	+ 8		965	
30	T	135D306X0100T2	3.3	80	2.0	12.0	- 16	+ 7	+ 8		1240	
43	T	135D436X0100T2	2.6	70	2.0	17.0	- 20	+ 7	+ 8		1335	
86	K	135D866X0100K2	1.6	30	9.0	36.0	- 25	+ 15	+ 15		1800	
25	T	135D256X0125T2	3.2	93	2.0	13.0	- 16	+ 7	+ 8		1200	
56	K	135D566X0125K2	1.6	32	10.0	40.0	- 25	+ 15	+ 15		1800	
<b>125 WVDC at + 85 °C ... 85 WVDC at + 125 °C ... 75 WVDC at + 200 °C</b>												
1.7	C	135D175X0125C2	15.6	1250	1.0	2.0	- 16	+ 7	+ 8		415	
3.6	C	135D365X0125C2	10.0	600	1.0	2.0	- 16	+ 7	+ 8		520	
9	F	135D905X0125F2	7.4	240	1.0	5.0	- 16	+ 7	+ 8		755	
14	F	135D146X0125F2	5.7	167	1.0	7.0	- 16	+ 7	+ 8		860	
18	T	135D186X0125T2	3.7	129	2.0	9.0	- 16	+ 7	+ 8		1130	

\* Part Numbers listed are for units with  $\pm 20\%$  capacitance tolerance insulated capacitors. For  $\pm 10\%$  tolerance capacitors, change the digit following the letter "X" from "0" to "9"; for  $\pm 5\%$ , change the digit following the letter "X" from "0" to "5". For capacitors without outer polyester-film insulation, change the last digit in the part number from "2" to "0". For capacitors with a high temperature insulating sleeve, change the last digit in the part number from "2" to "6". For RoHS compliant add "E3".



Wet Tantalum Capacitors  
Tantalum-Case with Glass-to-Tantalum Hermetic Seal  
For - 55 °C to + 200 °C Operation

<b>EXTENDED RATINGS</b>										
CAPACITANCE (µF)	CASE CODE	PART NUMBER*	Max. ESR	Max. IMP.	Max. DCL (µA)		Max. CAPACITANCE CHANGE (%) at			Max. RIPPLE 40 kHz rms (mA)
			at + 25 °C 120 Hz (Ohms)	at - 55 °C 120 Hz (Ohms)	at	at	- 55 °C	+ 85 °C	+ 125 °C	
<b>6 WVDC at + 85 °C ... 4 WVDC at + 125 °C ... 3.6 WVDC at + 200 °C</b>										
220	C	135D227X0006C2	3.0	36	2	9	- 64	+13	+16	1000
560	F	135D567X0006F2	2.5	21	3	9	- 77	+16	+20	1500
820	F	135D827X0006F2	2.5	18	3	14	- 88	+16	+20	1500
1200	T	135D128X0006T2	1.5	18	5	18	- 88	+20	+25	1900
1500	T	135D158X0006T2	1.5	18	5	20	- 90	+20	+25	1900
2200	K	135D228X0006K2	1.0	13	6	24	- 90	+25	+30	2300
<b>8 WVDC at + 85 °C ... 5 WVDC at + 125 °C ... 4.8 WVDC at + 200 °C</b>										
180	C	135D187X0008C2	3.0	45	2	9	- 60	+13	+16	1000
680	F	135D687X0008F2	2.5	22	3	14	- 83	+16	+20	1500
1500	T	135D158X0008T2	1.5	18	5	20	- 90	+20	+25	1900
1800	K	135D188X0008K2	1.0	14	7	25	- 90	+25	+30	2300
<b>10 WVDC at + 85 °C ... 7 WVDC at + 125 °C ... 6 WVDC at + 200 °C</b>										
120	C	135D127X0010C2	3.2	54	2	6	- 40	+14	+16	900
150	C	135D157X0010C2	3.0	54	2	9	- 55	+13	+16	900
390	F	135D397X0010F2	2.5	27	3	9	- 66	+16	+20	1450
560	F	135D567X0010F2	2.5	27	3	16	- 77	+16	+20	1450
1200	T	135D128X0010T2	1.5	18	5	20	- 88	+20	+25	1850
1500	K	135D158X0010K2	1.0	15	7	25	- 88	+25	+30	2300
<b>15 WVDC at + 85 °C ... 10 WVDC at + 125 °C ... 9 WVDC at + 200 °C</b>										
82	C	135D826X0015C2	3.9	72	2	6	- 35	+12	+16	900
100	C	135D107X0015C2	3.9	72	2	9	- 44	+13	+16	900
270	F	135D277X0015F2	2.5	31	3	9	- 62	+16	+15	1450
390	F	135D397X0015F2	2.5	31	3	16	- 66	+16	+20	1450
680	T	135D687X0015T2	1.8	22	6	18	- 74	+20	+25	1800
820	T	135D827X0015T2	1.8	22	6	24	- 77	+20	+25	1800
1000	K	135D108X0015K2	1.2	17	8	32	- 77	+25	+30	2330
<b>25 WVDC at + 85 °C ... 15 WVDC at + 125 °C ... 12 WVDC at + 200 °C</b>										
56	C	135D566X0025C2	4.3	90	2	6	- 25	+12	+15	850
68	C	135D686X0025C2	4.3	90	2	9	- 40	+12	+15	850
180	F	135D187X0025F2	2.7	33	3	9	- 54	+13	+15	1400
270	F	135D277X0025F2	2.7	33	3	16	- 62	+13	+16	1400
470	T	135D477X0025T2	1.8	24	6	18	- 65	+18	+25	1750
560	T	135D567X0025T2	1.8	24	7	28	- 72	+20	+25	1750
680	K	135D687X0025K2	1.2	19	8	32	- 72	+25	+30	2100
<b>30 WVDC at + 85 °C ... 20 WVDC at + 125 °C ... 18 WVDC at + 200 °C</b>										
47	C	135D476X0030C2	5.2	100	2	6	- 23	+12	+15	800
56	C	135D566X0030C2	5.2	100	2	9	- 38	+12	+15	800
150	F	135D157X0030F2	2.5	36	3	9	- 42	+13	+15	1200
220	F	135D227X0030F2	2.5	36	3	16	- 60	+13	+16	1200
390	T	135D397X0030T2	1.8	25	6	18	- 55	+18	+25	1500
470	T	135D477X0030T2	1.8	25	8	32	- 65	+20	+25	1500
560	K	135D567X0030K2	1.3	20	9	36	- 65	+25	+30	2000

\* Part Numbers listed are for units with ± 20 % capacitance tolerance insulated capacitors. For ± 10 % tolerance capacitors, change the digit following the letter "X" from "0" to "9"; for ± 5 %, change the digit following the letter "X" from "0" to "5". For capacitors without outer polyester-film insulation, change the last digit in the part number from "2" to "0". For capacitors with a high temperature insulating sleeve, change the last digit in the part number from "2" to "6". For RoHS compliant add "E3".

Wet Tantalum Capacitors  
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For - 55 °C to + 200 °C Operation



<b>EXTENDED RATINGS</b>										
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER*	Max. ESR	Max. IMP.	Max. DCL ( $\mu$ A)		Max. CAPACITANCE CHANGE			Max. RIPPLE 40 kHz rms (mA)
			at + 25 °C 120 Hz (Ohms)	at - 55 °C 120 Hz (Ohms)	at		(% at)			
			+ 25 °C	- 55 °C	+ 25 °C	+ 85 °C + 125 °C	- 55 °C	+ 85 °C	+ 125 °C	
<b>35 WVDC at + 85 °C . . . 22 WVDC at + 125 °C . . . 21 WVDC at + 200 °C</b>										
39	C	135D396X0035C2	4.1	61	2	6	- 22	+12	+14	820
120	F	135D127X0035F2	2.5	31	3	10	- 40	+13	+15	1315
330	T	135D337X0035T2	1.8	20	6	18	- 50	+16	+25	1640
370	K	135D477X0035K2	1.3	15	9	36	- 60	+25	+30	2040
<b>50 WVDC at + 85 °C . . . 30 WVDC at + 125 °C . . . 30 WVDC at + 200 °C</b>										
33	C	135D336X0050C2	5.0	135	2	9	- 29	+10	+12	700
100	F	135D107X0050F2	2.8	49	4	12	- 36	+13	+15	1200
120	F	135D127X0050F2	2.5	49	4	24	- 42	+12	+15	1200
270	T	135D277X0050T2	2.0	30	8	32	- 46	+20	+25	1450
330	K	135D337X0050K2	1.5	30	9	36	- 46	+25	+30	1900
<b>60 WVDC at + 85 °C . . . 40 WVDC at + 125 °C . . . 36 WVDC at + 200 °C</b>										
27	C	135D276X0060C2	5.0	144	3	12	- 24	+10	+12	700
82	F	135D826X0060F2	2.9	54	4	16	- 30	+15	+15	1100
100	F	135D107X0060F2	2.5	54	4	20	- 36	+12	+15	1100
220	T	135D227X0060T2	1.8	29	8	32	- 40	+16	+20	1400
270	K	135D277X0060K2	1.4	23	9	36	- 45	+20	+25	1850
<b>75 WVDC at + 85 °C . . . 50 WVDC at + 125 °C . . . 45 WVDC at + 200 °C</b>										
22	C	135D226X0075C2	5.1	157	3	12	- 19	+10	+12	600
68	F	135D686X0075F2	3.0	63	4	16	- 25	+12	+15	1000
82	F	135D826X0075F2	2.5	63	4	24	- 30	+12	+15	1000
180	T	135D187X0075T2	2.2	30	9	36	- 35	+16	+20	1300
220	K	135D227X0075K2	1.8	24	10	40	- 40	+20	+25	1800
<b>100 WVDC at + 85 °C . . . 65 WVDC at + 125 °C . . . 60 WVDC at + 200 °C</b>										
10	C	135D106X0100C2	5.9	200	3	12	- 17	+10	+12	800
39	F	135D396X0100F2	3.5	80	5	24	- 20	+12	+15	1300
68	T	135D686X0100T2	2.2	40	10	40	- 30	+14	+16	1600
120	K	135D127X0100K2	2.7	30	12	48	- 35	+15	+17	2000
<b>125 WVDC at + 85 °C . . . 85 WVDC at + 125 °C . . . 75 WVDC at + 200 °C</b>										
6.8	C	135D685X0125C2	11.7	300	3	12	- 14	+10	+12	700
27	F	135D276X0125F2	3.5	90	5	24	- 18	+12	+15	1200
47	T	135D476X0125T2	2.2	50	10	40	- 26	+14	+16	1500
68	K	135D686X0125K2	2.2	32	11	44	- 28	+15	+16	1850
82	K	135D826X0125K2	2.8	32	12	48	- 30	+15	+17	1900

\* Part Numbers listed are for units with  $\pm 20\%$  capacitance tolerance insulated capacitors. For  $\pm 10\%$  tolerance capacitors, change the digit following the letter "X" from "0" to "9"; for  $\pm 5\%$ , change the digit following the letter "X" from "0" to "5". For capacitors without outer polyester-film insulation, change the last digit in the part number from "2" to "0". For capacitors with a high temperature insulating sleeve, change the last digit in the part number from "2" to "6". For RoHS compliant add "E3".



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