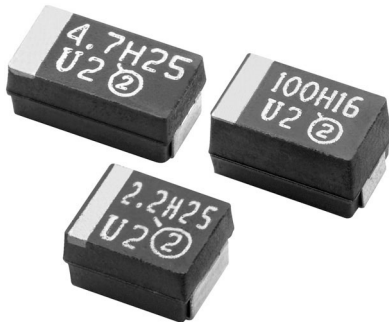


# Solid Tantalum Surface Mount Capacitors

## TANTAMOUNT<sup>®</sup> Molded Case, High Temperature 150 °C


**FEATURES**

- Operating temperature up to 150 °C with 50 % voltage derating
- AEC-Q200 qualified
- 100 % surge current tested (B, C, D, E case sizes)
- RoHS compliant terminations available: Matte tin (all cases), gold (D/E cases)
- Standard EIA 535BAAC case size (A through E)
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)
- Compliant terminations
- Moisture sensitivity level 1


**PERFORMANCE CHARACTERISTICS**
[www.vishay.com/doc?40088](http://www.vishay.com/doc?40088)
**Operating Temperature:** - 55 °C to + 150 °C

**Capacitance Range:** 0.33 µF to 220 µF

**Capacitance Tolerance:** ± 10 %, ± 20 %

**Voltage Rating:** 6.3 V<sub>DC</sub> to 50 V<sub>DC</sub>
**Note**

\* This datasheet provides information about parts that are RoHS-compliant and/or parts that are non-RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information/tables in this datasheet for details.

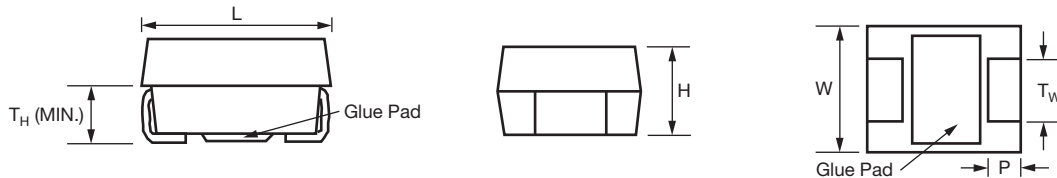
**APPLICATIONS**

- Automotive
- Industrial
- High temperature sensors

ORDERING INFORMATION						
TH3	D	106	K	035	C	0700
TYPE	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	TERMINATION AND PACKAGING	ESR
	See Ratings and Case Codes table.	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	K = ± 10 % M = ± 20 %	This is expressed in V. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R". (6R3 = 6.3 V)	A: Gold/7" (178 mm) reels <sup>(1)</sup> B: Gold/13" (330 mm) reels <sup>(1)</sup> C: Matte tin/7" (178 mm) reels D: Matte tin/13" (330 mm) reels E: Tin/lead/7" (178 mm) reels F: Tin/lead/13" (330 mm) reels	Maximum 100 kHz ESR 0500 = 500 mΩ 5000 = 5.0 Ω 10R0 = 10.0 Ω

**Notes**

- We reserve the right to supply higher voltage ratings and tighter capacitance tolerance capacitors in the same case size. Voltage substitutions will be marked with the higher voltage rating.
- (1) Contact factory for availability

**DIMENSIONS** in inches [millimeters]


CASE CODE	EIA SIZE	L	W	H	P	T <sub>w</sub>	T <sub>H</sub> (MIN.)
A	3216-18	0.126 ± 0.008 [3.2 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.047 ± 0.004 [1.2 ± 0.10]	0.028 [0.70]
B	3528-21	0.138 ± 0.008 [3.5 ± 0.20]	0.110 ± 0.008 [2.8 ± 0.20]	0.075 ± 0.008 [1.9 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.028 [0.70]
C	6032-28	0.236 ± 0.012 [6.0 ± 0.30]	0.126 ± 0.012 [3.2 ± 0.30]	0.098 ± 0.012 [2.5 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.039 [1.0]
D	7343-31	0.287 ± 0.012 [7.3 ± 0.30]	0.169 ± 0.012 [4.3 ± 0.30]	0.110 ± 0.012 [2.8 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.094 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]
E	7343-43	0.287 ± 0.012 [7.3 ± 0.30]	0.169 ± 0.012 [4.3 ± 0.30]	0.157 ± 0.012 [4.0 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.094 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]

**Note**

- Glue pad (non-conductive, part of molded case) is dedicated for glue attachment (as user option).

RATINGS AND CASE CODES							
$\mu\text{F}$	6.3 V	10 V	16 V	20 V	25 V	35 V	50 V
0.33						A (11.0)	
0.47					A (14.0)		
0.68							
1.0			A (6.5)	A (5.9)	A (3.0, 5.2)/ B (0.5)	A (6.6)/B (4.4)	C (3.3)
1.5			A (4.3)			B (4.2)/C (3.3)	
2.2		A (4.6)	A (3.4)/B (3.0)	A (5.9)/B (3.5)	A (5.2)/B (3.0)	B (2.5)/C (2.2)	
3.3				B (2.7)/C (3.7)	B (3.0)/C (2.0)	B (2.5, 3.5)/ C (1.7)	D (1.7)
4.7		A (2.9)/B (2.7)	A (2.9)/B (2.1)	A (5.0)/ B (2.9, 1.9)/ C (1.7)	A (5.0)/B (2.8)/ C (1.6)	B (3.1)/C (1.3)/ D (1.0)	C (1.5)/D (0.9)
6.8		A (2.6)	A (2.6, 2.0)/ B (1.8)/C (1.7)		B (2.4)/C (1.4)	C (1.8)/D (0.9)	D (0.9)
10	A (3.4, 2.7)	A (3.4, 2.0)/ B (1.8)/ C (1.8, 1.7)	B (2.0)/C (1.4)	C (1.1)	C (1.1)/D (0.9)	C (1.6)/ D (0.3, 0.7)	D (0.8)/E (0.5)
15	B (1.8)	A (2.9, 2.0)/ B (2.0, 1.8, 1.5)/ C (1.8, 1.4)	B (2.0)/C (1.0)	B (2.0)/C (1.0)/ D (0.9)	B (1.4, 2.0)/ C (1.2)/D (0.7)	D (0.7)	
22	B (2.0, 1.5)	B (1.5)/ C (1.5, 1.1)	B (1.9)/C (1.0)/ D (0.8)	C (1.0)/D (0.7)	D (0.6)	D (0.3, 0.6)/ E (0.5)	
33	B (1.9, 1.7)	B (1.9, 1.4)/ D (0.8)	C (0.9, 0.6)/ D (0.6)	D (0.6)	D (0.5)		
47	B (1.8)/C (0.8)	B (1.8)/ C (0.8, 0.5)/ D (0.6)	C (0.8, 0.6)/ D (0.6)	D (0.7)/E (0.6)	E (0.6)		
68	B (1.8)	C (1.0, 0.8)/ D (1.0, 0.6, 0.4)	D (0.6)	E (0.6)			
100	E (0.3)	C (0.9, 0.5)/ D (0.6)	D (0.6)/ E (0.6, 0.15)				
150		D (0.6)					
220		E (0.5)					

**Note**

- ESR limits in  $\Omega$  are shown in parenthesis

MARKING																						
	<table border="1"> <thead> <tr> <th colspan="2">"A" CASE VOLTAGE CODE</th> </tr> <tr> <th>VOLTS</th> <th>CODE</th> </tr> </thead> <tbody> <tr> <td>4.0</td> <td>G</td> </tr> <tr> <td>6.3</td> <td>J</td> </tr> <tr> <td>10</td> <td>A</td> </tr> <tr> <td>16</td> <td>C</td> </tr> <tr> <td>20</td> <td>D</td> </tr> <tr> <td>25</td> <td>E</td> </tr> <tr> <td>35</td> <td>V</td> </tr> <tr> <td>50</td> <td>T</td> </tr> </tbody> </table>		"A" CASE VOLTAGE CODE		VOLTS	CODE	4.0	G	6.3	J	10	A	16	C	20	D	25	E	35	V	50	T
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	<p>Indicates High Temperature</p> <p>Capacitance, <math>\mu\text{F}</math></p> <p>Voltage</p> <p>Polarity Band (+)</p> <p>Date Code</p> <p>Vishay Sprague Logo</p>																					
<p><b>Marking</b></p> <p>Capacitor marking includes an anode (+) polarity band, capacitance in microfarads and the voltage rating. "A" case capacitors use a letter code for the voltage and EIA capacitance code.</p> <p>The Vishay Sprague® trademark is included if space permits. Capacitors rated at 6.3 V are marked 6 V.</p> <p>A manufacturing date code is marked on all capacitors.</p> <p>Call the factory for further explanation.</p>																						



STANDARD RATINGS							
CAPACITANCE ( $\mu\text{F}$ )	CASE CODE	PART NUMBER	MAX. DCL AT + 25 °C ( $\mu\text{A}$ )	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz ( $\Omega$ )	MAX. RIPPLE 100 kHz $I_{\text{RMS}}$ (A)	
<b>6.3 V<sub>DC</sub> AT + 85 °C; 4 V<sub>DC</sub> AT + 125 °C; 3.15 V<sub>DC</sub> AT + 150 °C</b>							
10	A	TH3A106(1)6R3(2)3400	0.6	6	3.40	0.15	
10	A	TH3A106(1)6R3(2)2700	0.6	6	2.70	0.17	
15	B	TH3B156(1)6R3(2)1800	0.9	6	1.80	0.22	
22	B	TH3B226(1)6R3(2)2000	1.3	6	2.00	0.21	
22	B	TH3B226(1)6R3(2)1500	1.3	6	1.50	0.24	
33	B	TH3B336(1)6R3(2)1900	2.0	6	1.90	0.21	
33	B	TH3B336(1)6R3(2)1700	2.0	6	1.70	0.22	
47	B	TH3B476(1)6R3(2)1800	2.8	8	1.80	0.22	
47	C	TH3C476(1)6R3(2)0800	2.8	6	0.80	0.37	
68	B	TH3B686(1)6R3(2)1800	4.1	6	1.80	0.22	
100	E	TH3E107(1)6R3(2)0300	6.0	6	0.30	0.74	
<b>10 V<sub>DC</sub> AT + 85 °C; 7 V<sub>DC</sub> AT + 125 °C; 5 V<sub>DC</sub> AT + 150 °C</b>							
2.2	A	TH3A225(1)010(2)4600	0.5	6	4.60	0.13	
4.7	A	TH3A475(1)010(2)2900	0.5	6	2.90	0.16	
4.7	B	TH3B475(1)010(2)2700	0.5	6	2.70	0.18	
6.8	A	TH3A685(1)010(2)2600	6.8	6	2.60	0.17	
10	A	TH3A106(1)010(2)3400	1.0	6	3.40	0.15	
10	A	TH3A106(1)010(2)2000	1.0	6	2.00	0.19	
10	B	TH3B106(1)010(2)1800	1.0	6	1.80	0.22	
10	C	TH3C106(1)010(2)1800	1.0	6	1.80	0.25	
10	C	TH3C106(1)010(2)1700	1.0	6	1.70	0.25	
15	A	TH3A156(1)010(2)2900	1.0	6	2.90	0.16	
15	A	TH3A156(1)010(2)2000	1.0	6	2.00	0.19	
15	B	TH3B156(1)010(2)2000	1.0	6	2.00	0.21	
15	B	TH3B156(1)010(2)1800	1.0	6	1.80	0.22	
15	B	TH3B156(1)010(2)1500	1.0	6	1.50	0.24	
15	C	TH3C156(1)010(2)1800	1.0	6	1.80	0.25	
15	C	TH3C156(1)010(2)1400	1.0	6	1.40	0.28	
22	B	TH3B226(1)010(2)1500	2.2	6	1.50	0.24	
22	C	TH3C226(1)010(2)1500	2.2	6	1.50	0.27	
22	C	TH3C226(1)010(2)1100	2.2	6	1.10	0.32	
33	B	TH3B336(1)010(2)1900	3.3	6	1.90	0.21	
33	B	TH3B336(1)010(2)1400	3.3	6	1.40	0.25	
33	D	TH3D336(1)010(2)0800	3.3	6	0.80	0.43	
47	B	TH3B476(1)010(2)1800	4.7	6	1.80	0.22	
47	C	TH3C476(1)010(2)0800	4.7	6	0.80	0.37	
47	C	TH3C476(1)010(2)0500	4.7	6	0.50	0.47	
47	D	TH3D476(1)010(2)0600	4.7	6	0.60	0.50	
68	C	TH3C686(1)010(2)1000	6.8	8	1.00	0.33	
68	C	TH3C686(1)010(2)0800	6.8	8	0.80	0.37	
68	D	TH3D686(1)010(2)1000	6.8	6	1.00	0.39	
68	D	TH3D686(1)010(2)0600	6.8	6	0.60	0.50	
68	D	TH3D686(1)010(2)0400	6.8	6	0.40	0.61	
100	C	TH3C107(1)010(2)0900	10.0	6	0.90	0.35	
100	C	TH3C107(1)010(2)0500	10.0	6	0.50	0.47	
100	D	TH3D107(1)010(2)0600	10.0	8	0.60	0.50	
150	D	TH3D157(1)010(2)0600	15.0	8	0.60	0.50	
220	E	TH3E227(1)010(2)0500	22.0	8	0.50	0.61	

**Note**

- Part number definitions:
  - Capacitance tolerance: K, M
  - Termination and packaging: C, D, E, F
  - Termination and packaging: A, B, C, D, E, F



STANDARD RATINGS						
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER	MAX. DCL AT + 25 °C ( $\mu$ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz ( $\Omega$ )	MAX. RIPPLE 100 kHz $I_{RMS}$ (A)
<b>16 V<sub>DC</sub> AT + 85 °C; 10 V<sub>DC</sub> AT + 125 °C; 8 V<sub>DC</sub> AT + 150 °C</b>						
1.0	A	TH3A105(1)016(2)6500	0.5	4	6.50	0.11
2.2	A	TH3A225(1)016(2)4300	0.5	6	4.30	0.13
3.3	A	TH3A335(1)016(2)3400	0.5	6	3.40	0.15
3.3	B	TH3B335(1)016(2)3000	0.5	6	3.00	0.17
4.7	A	TH3A475(1)016(2)2900	0.8	6	2.90	0.16
4.7	B	TH3B475(1)016(2)2100	0.8	6	2.10	0.2
6.8	A	TH3A685(1)016(2)2600	1.1	6	2.60	0.17
6.8	A	TH3A685(1)016(2)2000	1.1	6	2.00	0.19
6.8	B	TH3B685(1)016(2)1800	1.1	6	1.80	0.22
6.8	C	TH3C685(1)016(2)1700	1.1	6	1.70	0.25
10	B	TH3B106(1)016(2)2000	1.6	6	2.00	0.21
10	C	TH3C106(1)016(2)1400	1.6	6	1.40	0.28
15	B	TH3B156(1)016(2)2000	2.4	6	2.00	0.21
15	C	TH3C156(1)016(2)1000	2.4	6	1.00	0.33
22	B	TH3B226(1)016(2)1900	3.5	6	1.90	0.21
22	C	TH3C226(1)016(2)1000	3.5	6	1.00	0.33
22	D	TH3D226(1)016(3)0800	3.5	6	0.80	0.43
33	C	TH3C336(1)016(2)0900	5.3	6	0.90	0.35
33	C	TH3C336(1)016(2)0600	5.3	6	0.60	0.43
33	D	TH3D336(1)016(3)0600	5.3	6	0.60	0.50
47	C	TH3C476(1)016(2)0800	7.5	6	0.80	0.37
47	C	TH3C476(1)016(2)0600	7.5	6	0.60	0.43
47	D	TH3D476(1)016(3)0600	7.5	6	0.60	0.43
68	D	TH3D686(1)016(3)0600	10.9	6	0.60	0.50
100	D	TH3D107(1)016(3)0600	16.0	8	0.60	0.50
100	E	TH3E107(1)016(3)0600	16.0	8	0.60	0.56
100	E	TH3E107(1)016(3)0150	16.0	8	0.15	1.11
<b>20 V<sub>DC</sub> AT + 85 °C; 13 V<sub>DC</sub> AT + 125 °C; 10 V<sub>DC</sub> AT + 150 °C</b>						
1.0	A	TH3A105(1)020(2)5900	0.5	4	5.90	0.11
2.2	A	TH3A225(1)020(2)5900	0.5	6	5.90	0.11
2.2	B	TH3B225(1)020(2)3500	0.5	6	3.50	0.16
3.3	B	TH3B335(1)020(2)2700	0.7	6	2.70	0.18
3.3	C	TH3C335(1)020(2)2700	0.7	6	2.70	0.20
4.7	A	TH3A475(1)020(2)5000	0.9	6	5.00	0.12
4.7	B	TH3B475(1)020(2)1900	0.9	6	2.90	0.17
4.7	B	TH3B475(1)020(2)2900	0.9	6	1.90	0.21
4.7	C	TH3C475(1)020(2)1700	0.9	6	1.70	0.25
10	C	TH3C106(1)020(2)1100	2.0	6	1.10	0.32
15	B	TH3B156(1)020(2)2000	3.0	6	2.00	0.21
15	C	TH3C156(1)020(2)1000	3.0	6	1.00	0.33
15	D	TH3D156(1)020(2)0900	3.0	6	0.90	0.41
22	C	TH3C226(1)020(2)1000	4.4	6	1.00	0.33
22	D	TH3D226(1)020(2)0700	4.4	6	0.70	0.46
33	D	TH3D336(1)020(2)0600	6.6	6	0.60	0.5
47	D	TH3D476(1)020(2)0700	9.4	6	0.70	0.46
47	E	TH3E476(1)020(2)0600	9.4	8	0.60	0.56
68	E	TH3E686(1)020(2)0600	13.6	8	0.60	0.56

**Note**

- Part number definitions:
  - Capacitance tolerance: K, M
  - Termination and packaging: C, D, E, F
  - Termination and packaging: A, B, C, D, E, F



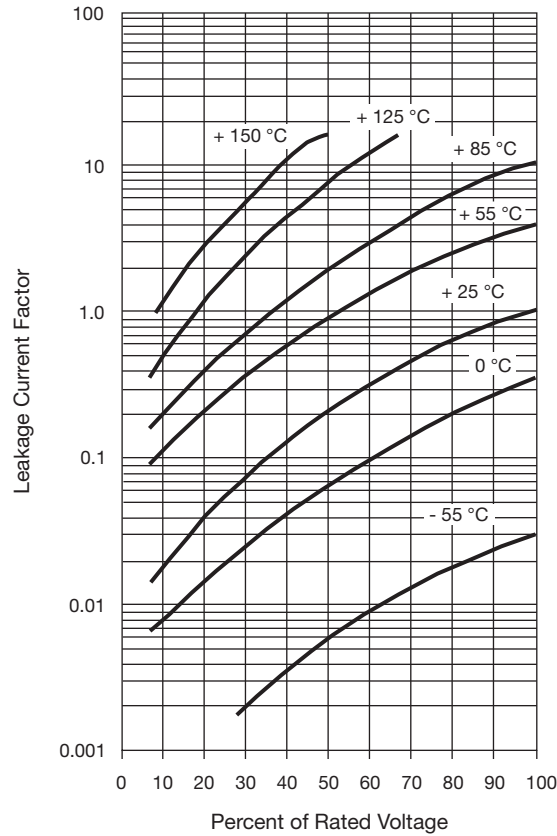
STANDARD RATINGS						
CAPACITANCE ( $\mu$ F)	CASE CODE	PART NUMBER	MAX. DCL AT + 25 °C ( $\mu$ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz ( $\Omega$ )	MAX. RIPPLE 100 kHz $I_{RMS}$ (A)
<b>25 V<sub>DC</sub> AT + 85 °C; 17 V<sub>DC</sub> AT + 125 °C; 12.5 V<sub>DC</sub> AT + 150 °C</b>						
0.47	A	TH3A474(1)025(2)14R0	0.5	4	14.00	0.073
1.0	A	TH3A105(1)025(2)5200	0.5	4	5.20	0.12
1.0	A	TH3A105(1)025(2)3000	0.5	4	3.00	0.16
1.0	B	TH3B105(1)025(2)5000	0.5	4	5.00	0.13
2.2	A	TH3A225(1)025(2)5200	0.6	6	5.20	0.12
2.2	B	TH3B225(1)025(2)3000	0.6	6	3.00	0.17
3.3	B	TH3B335(1)025(2)3000	0.8	6	3.00	0.17
3.3	C	TH3C335(1)025(2)2000	0.8	6	2.00	0.23
4.7	A	TH3A475(1)025(2)5000	1.2	6	5.00	0.12
4.7	B	TH3B475(1)025(2)2800	1.2	6	2.80	0.17
4.7	C	TH3C475(1)025(2)1600	1.2	6	1.60	0.26
6.8	B	TH3B685(1)025(2)2400	1.7	6	2.40	0.19
6.8	C	TH3C685(1)025(2)1400	1.7	6	1.40	0.28
10	C	TH3C106(1)025(2)1100	2.5	6	1.10	0.32
10	D	TH3D106(1)025(2)0900	2.5	6	0.90	0.41
15	B	TH3B156(1)025(2)2000	3.8	6	2.00	0.21
15	B	TH3B156(1)025(2)1400	3.8	6	1.40	0.25
15	C	TH3C156(1)025(2)1200	3.8	6	1.20	0.30
15	D	TH3D156(1)025(2)0700	3.8	6	0.70	0.46
22	D	TH3D226(1)025(2)0600	5.5	6	0.60	0.50
33	D	TH3D336(1)025(2)0500	8.3	6	0.50	0.55
47	E	TH3E476(1)025(2)0600	11.8	6	0.60	0.56
<b>35 V<sub>DC</sub> AT + 85 °C; 23 V<sub>DC</sub> AT + 125 °C; 17.5 V<sub>DC</sub> AT + 150 °C</b>						
0.33	A	TH3A334(1)035(2)11R0	0.5	4	11.00	0.08
1.0	A	TH3A105(1)035(2)6600	0.5	4	6.60	0.11
1.0	B	TH3B105(1)035(2)4400	0.5	4	4.40	0.14
1.5	B	TH3B155(1)035(2)4200	0.5	6	4.20	0.14
1.5	C	TH3C155(1)035(2)3300	0.5	6	3.30	0.18
2.2	B	TH3B225(1)035(2)2500	0.8	6	2.50	0.18
2.2	C	TH3C225(1)035(2)2200	0.8	6	2.20	0.22
3.3	B	TH3B335(1)035(2)3500	1.2	6	3.50	0.16
3.3	B	TH3B335(1)035(2)2500	1.2	6	2.50	0.18
3.3	C	TH3C335(1)035(2)1700	1.2	6	1.70	0.25
4.7	B	TH3B475(1)035(2)3100	1.7	6	3.10	0.17
4.7	C	TH3C475(1)035(2)1300	1.6	6	1.30	0.29
4.7	D	TH3D475(1)035(2)1000	1.6	6	1.00	0.39
6.8	C	TH3C685(1)035(2)1800	2.4	6	1.80	0.25
6.8	D	TH3D685(1)035(2)0900	2.4	6	0.90	0.41
10	C	TH3C106(1)035(2)1600	3.5	6	1.60	0.26
10	D	TH3D106(1)035(2)0700	3.5	6	0.70	0.46
10	D	TH3D106(1)035(2)0300	3.5	6	0.30	0.71
15	D	TH3D156(1)035(2)0700	5.3	6	0.70	0.46
22	D	TH3D226(1)035(2)0600	7.7	6	0.60	0.50
22	D	TH3D226(1)035(2)0300	7.7	6	0.30	0.71
22	E	TH3E226(1)035(2)0500	7.7	6	0.50	0.61
<b>50 V<sub>DC</sub> AT + 85 °C; 33 V<sub>DC</sub> AT + 125 °C; 25 V<sub>DC</sub> AT + 150 °C</b>						
1.0	C	TH3C105(1)050(2)3300	0.5	4	3.30	0.18
3.3	D	TH3D335(1)050(2)1700	1.7	6	1.70	0.30
4.7	C	TH3C475(1)050(2)1500	2.4	6	1.50	0.27
4.7	D	TH3D475(1)050(2)0900	2.4	6	0.90	0.41
6.8	D	TH3D685(1)050(2)0900	3.4	6	0.90	0.41
10	D	TH3D106(1)050(2)0800	5.0	6	0.80	0.43
10	E	TH3E106(1)050(2)0500	5.0	6	0.50	0.61

**Note**

- Part number definitions:
  - Capacitance tolerance: K, M
  - Termination and packaging: C, D, E, F
  - Termination and packaging: A, B, C, D, E, F



**TYPICAL LEAKAGE CURRENT FACTOR**



**Note**

- At + 25 °C, the leakage current shall not exceed the value listed in the Standard Ratings table.
- At + 85 °C, the leakage current shall not exceed 10 times the value listed in the Standard Ratings table.
- At + 125 °C, the leakage current shall not exceed 12 times the value listed in the Standard Ratings table.
- At + 150 °C, the leakage current shall not exceed 15 times the value listed in the Standard Ratings table.

**RECOMMENDED VOLTAGE DERATING GUIDELINES (for temperatures below + 85 °C)**

**STANDARD CONDITIONS. FOR EXAMPLE: OUTPUT FILTERS**

Capacitor Voltage Rating	Operating Voltage
6.3	3.6
10	6.0
16	10
20	12
25	15
35	24
50	28

**SEVERE CONDITIONS. FOR EXAMPLE: INPUT FILTERS**

Capacitor Voltage Rating	Operating Voltage
6.3	3.3
10	5.0
16	8.0
20	10
25	12
35	15
50	24



POWER DISSIPATION	
CASE CODE	MAXIMUM PERMISSIBLE POWER DISSIPATION AT + 25 °C (W) IN FREE AIR
A	0.075
B	0.085
C	0.110
D	0.150
E	0.165

STANDARD PACKAGING QUANTITY		
CASE CODE	UNITS PER REEL	
	7" REEL	13" REEL
A	2000	9000
B	2000	8000
C	500	3000
D	500	2500
E	400	1500

PRODUCT INFORMATION	
Guide for Molded Tantalum Capacitors	<a href="http://www.vishay.com/doc?40074">www.vishay.com/doc?40074</a>
Pad Dimensions	
Package Dimensions	
Moisture Sensitivity	<a href="http://www.vishay.com/doc?40135">www.vishay.com/doc?40135</a>
SELECTOR GUIDES	
Solid Tantalum Selector Guide	<a href="http://www.vishay.com/doc?49053">www.vishay.com/doc?49053</a>
Solid Tantalum Chip Capacitors	<a href="http://www.vishay.com/doc?40091">www.vishay.com/doc?40091</a>
FAQ	
Frequently Asked Questions	<a href="http://www.vishay.com/doc?40110">www.vishay.com/doc?40110</a>



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**Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.**

**Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.**

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