

Solid Tantalum SMD Capacitor, TANTAMOUNT[®], Hi-Rel COTS, Low ESR, Metal Case



KEY BENEFITS

- Hermetically sealed metal case (no moisture sensitivity)
- High reliability; burn-in at a minimum of rated DC voltage for a minimum of 40 h
- Surge current testing per MIL-PRF-55365 option available
- Low ESR
- Lead (Pb)-free terminations available (tin/lead terminations are under development)

APPLICATIONS

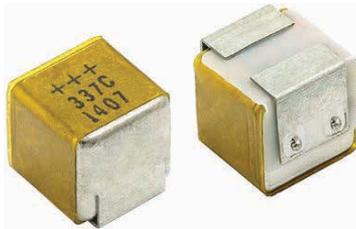
- Avionics

RESOURCES

- Datasheet: T25 - www.vishay.com/doc?40171
- For technical questions contact tantalum@vishay.com
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



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PERFORMANCE CHARACTERISTICS

www.vishay.com/doc?40088

Operating Temperature: -55 °C to +125 °C
(above 85 °C, voltage derating is required)

Capacitance Range: 22 µF to 330 µF

Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 16 V_{DC} to 50 V_{DC}

ORDERING INFORMATION							
T25	D	226	K	050	E	S	A
TYPE	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT +85 °C	TERMINATION/PACKAGING (available options are series dependent)	RELIABILITY GRADE	SURGE CURRENT OPTION
	See Ratings and Case Codes table	This is expressed in pF. 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 volts. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 V).	C = 100 % tin/ 7" (178 mm), reel H = 100 % tin/ 7" (178 mm), 1/2 reel E = Sn/Pb solder/ 7" (178 mm) reel ⁽¹⁾ L = Sn/Pb solder/ 7" (178 mm), 1/2 reel ⁽¹⁾	S = 40 h burn-in	A = 10 cycles at +25 °C B = 10 cycles at -55 °C/ +85 °C C = 10 cycles at -55 °C/ +85 °C (before burn-in) S = 3 cycles at 25 °C Z = no surge current

Note

⁽¹⁾ Tin/lead terminations are under development, contact factory for availability.

DIMENSIONS in inches [millimeters]					
CASE CODE	L (MAX.)	W	H	P	Tw
D	0.326 [8.5]	0.275 ± 0.008 [7.0 ± 0.2]	0.291 ± 0.008 [7.4 ± 0.2]	0.098 ± 0.008 [2.5 ± 0.2]	0.197 ± 0.008 [5.0 ± 0.2]

MARKING		
	VOLTAGE CODE	
	V	CODE
	16	C
	20	D
	25	E
	35	V
50	T	

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