

Wet Tantalum SMD Capacitors, Tantalum Metal Case with Glass-to-Tantalum Hermetic Seal



KEY BENEFITS

- Enhanced performance, high-reliability design
- SMD, standard tin / lead (Sn / Pb), 100 % tin (RoHS-compliant) available
- Increased thermal shock capability of 300 cycles
- Small size: 9 mm x 7.1 mm x 7.4 mm (L x W x H)

APPLICATIONS

- Avionics and aerospace

RESOURCES

- Datasheet: T22 - www.vishay.com/doc?40187
- For technical questions contact tantalum@vishay.com
- Material categorization: for definitions of compliance, please see www.vishay.com/doc?99912



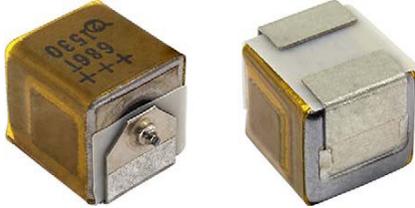
RoHS*
Available

HALOGEN
FREE

GREEN
(5-2008)
Available

A **WORLD OF**
SOLUTIONS

Wet Tantalum SMD Capacitors, Tantalum Metal Case with Glass-to-Tantalum Hermetic Seal



PERFORMANCE CHARACTERISTICS

Operating Temperature: -55 °C to +85 °C
(to +125 °C with voltage derating)

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

Capacitance Range: 10 μF to 68 μF

Capacitance Tolerance: ± 10 %, ± 20 % standard

Voltage Rating: 50 V_{DC} to 125 V_{DC}

ORDERING INFORMATION

T22	C	686	K	050	E	S	S
TYPE	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT +85 °C	TERMINATION / PACKAGING	RELIABILITY GRADE	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 volts. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 V).	E = Sn / Pb solder / 7" (178 mm) reel ⁽¹⁾ L = Sn / Pb solder / 7" (178 mm), 1/2 reel ⁽¹⁾ C = 100 % tin / 7" (178 mm), reel H = 100 % tin / 7" (178 mm), 1/2 reel	S = 48 h burn-in Z = non-established reliability	S = standard

DIMENSIONS in inches [millimeters]

CASE CODE	L	W	H	P	T _w
C	0.354 max. [9 max.]	0.279 ± 0.008 [7.1 ± 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
	50	T
	75	S
	100	R
	125	B

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