



HI-TMP® Solid Tantalum Surface Mount TANTAMOUNT®, Molded Case, - 55 °C to + 200 °C, Very High Temperature



FEATURES

- Application voltage: 21 V at + 200 °C
- Operating temperature up to + 200 °C
- 500 h continuous operation at V_R
- · Gold plated terminations
- Standard EIA 535BAAC case size (E)
- 100 % surge current tested
- Compliant to RoHS Directive 2002/95/EC
- Moisture sensitivity level 1



PERFORMANCE/ELECTRICAL CHARACTERISTICS

Operating Temperature: - 55 °C to + 200 °C

Note

Refer to doc. 40088

Capacitance Range: 10 µF

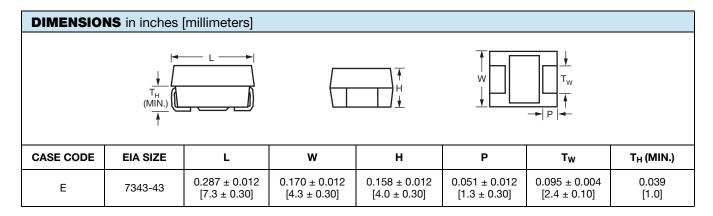
Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 21 V_{DC}

ORDERING INFORMATION													
TH5	E	106	K	021	В	1000							
TYPE	CASE CODE 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.	CAPACITANCE TOLERANCE K = ± 10 % M = ± 20 %	APPLICATION VOLTAGE AT + 200 °C I This is expressed in V. To complete the three-digit block, zeros precede the voltage rating.	TERMINATION/ PACKAGING A = Gold/ 7" (178 mm) reels B = Gold/ 13" (330 mm), reels Other (1)	$\begin{tabular}{ c c c c }\hline ESR\\ \hline & & \\ \hline & & \\ \hline & & \\ \hline & & \\ Maximum\\ 100 & kHz & ESR\\ 0500 & = 500 & m\Omega\\ 5000 & = 5 & \Omega\\ 10R0 & = 10.0 & \Omega\\ \hline \end{tabular}$							

Note

(1) Other termination on request

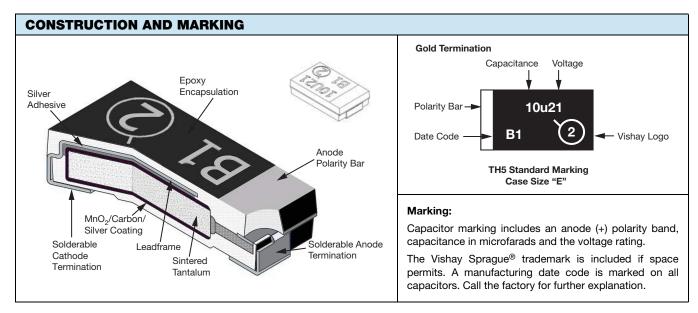


Note

TH5 series, 21 V capacitors have been designed for, and tested at, 21 V at + 200 °C for 500 h.
 As with all Tantalum capacitors, reliability and life may be extended by lower applied voltage.



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STANDARD RATINGS											
CAPACITANCE (µF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μA)	TYPICAL DC LEAKAGE AT + 200 °C (μΑ)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I _{RMS} (A)				
21 V _{DC} AT + 200 °C											
10	Е	TH5E106(1)021(2)1000	2.1	120	6	1.000	0.41				

Note

- Part number definitions:
 - (1) Capacitance tolerance codes: K, M
 - (2) Terminations and packaging: A, B

Note

TH5 series, 21 V capacitors have been designed for, and tested at, 21 V at + 200 °C for 500 h.
 As with all Tantalum capacitors, reliability and life may be extended by lower applied voltage.



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