Capacitors - Ultra Low-Profile, Solid Tantalum Chip

MICROTAN®, Low-Profile High CV Lead-Frameless Molded Solid Tantalum Chip Capacitor

KEY BENEFITS

- Low-profile packages with heights of 0.8 mm, 0.9 mm, and 1.0 mm
- EIA standard footprints such as 0805, A-case and B-case
- Lead (Pb)-free L-shaped terminations for superior board mounting

APPLICATIONS

- Bulk capacitance/energy storage
- Filtering
- Decoupling

RESOURCES

- Datasheet: TL8 Series - http://www.vishay.com/doc?40156
- For technical questions contact tantalum@vishay.com

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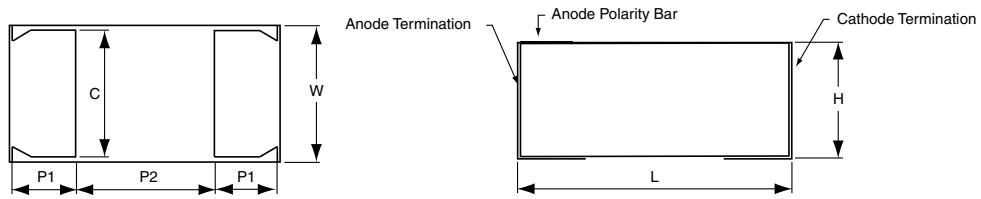
ORDERING INFORMATION

TL8	A0	227	M	004	C
TYPE	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	TERMINATION/ PACKAGING
	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.	**M = ± 20 %** K = ± 10 %	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).	**C = 100 % tin 7" (178 mm) reel**

Note

- Preferred tolerance and reel sizes are in bold.
  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.

DIMENSIONS in inches [millimeters]



CASE CODE	H (MAX.)	L	W	P1	P2 (REF.)	C
W0	0.039 [1.0]	0.079 ± 0.008 [2.00 ± 0.20]	0.050 ± 0.008 [1.25 ± 0.20]	0.020 ± 0.004 [0.50 ± 0.10]	0.040 [1.00]	0.035 ± 0.004 [0.90 ± 0.10]
W9	0.035 [0.9]					
A0	0.039 [1.0]	0.126 ± 0.008 [3.20 ± 0.20]	0.063 ± 0.008 [1.60 ± 0.20]	0.031 ± 0.004 [0.80 ± 0.10]	0.063 [1.60]	0.047 ± 0.004 [1.20 ± 0.10]
B0	0.039 [1.0]	0.138 ± 0.008 [3.50 ± 0.20]	0.110 ± 0.008 [2.80 ± 0.20]	0.031 ± 0.004 [0.80 ± 0.20]	0.078 [1.95]	0.095 ± 0.004 [2.40 ± 0.10]

RATINGS AND CASE CODES

µF	4 V	6.3 V	10 V	16 V	20 V	25 V	35 V
1.5							
2.2							
3.3							A0 (1)
4.7						W0 (1)	
6.8							
10				W0 (1)	A0 (1)		
15							
22							
33			W0 (1)		B0 (1)		
47		W0 (1)	W9 (1)/A0 (1)				
68							
100		A0	A0/B0 (1)				
150							
220	A0						
330							
470							

Note

(1) In development.

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