

vPolyTan™ Polymer Surface-Mount Chip Capacitors, Low ESR, Leadframeless Molded Type



KEY BENEFITS

- Volumetric efficiency: our package offers a 25 % improvement in space utilization over competing technology
- Maximizes capacitance density without compromising voltage capability and while still maintaining best-in-class ESR

APPLICATIONS

- Bulk capacitance for high-energy storage solutions as required in power backup for solid-state drives and voltage holdup functions in pulsed applications and power conversion
- Decoupling and bypass capacitors in audio amplifiers and pre-amplifiers

RESOURCES

- Datasheet: T59 - www.vishay.com/doc?40191
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912
- For technical questions contact tantalum@vishay.com



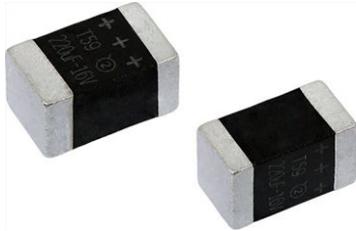
RoHS*
COMPLIANT

HALOGEN
FREE
Available

GREEN
(5-2008)**
Available

A WORLD OF
SOLUTIONS

vPolyTan(TM) Polymer Surface Mount Chip Capacitors, Multi-anode, Leadframeless Molded Type



FEATURES

- Ultra-low ESR
- 100 % surge current tested
- Molded case 7343 EIA size
- Terminations: wraparound lead (Pb)-free
- 12 mm tape and reel packaging available per EIA-481 standard
- Moisture sensitivity level 3
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



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PERFORMANCE / ELECTRICAL CHARACTERISTICS

Operating Temperature: -55 °C to +105 °C

Capacitance Range: 15 µF to 470 µF

Capacitance Tolerance: ± 20 %

Voltage Rating: 16 V_{DC} to 75 V_{DC}

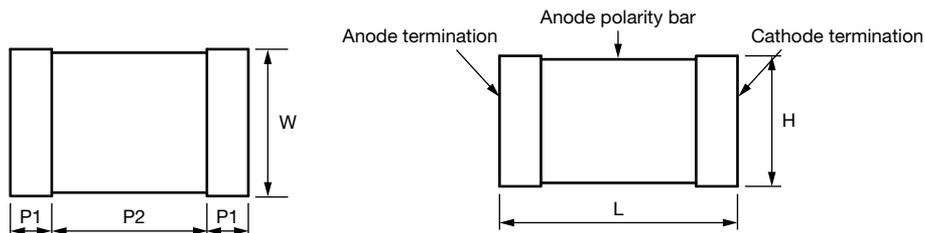
APPLICATIONS

- Decoupling, smoothing, filtering
- Bulk energy storage in Solid State Drives (SSD)
- Infrastructure equipment
- Storage and networking
- Computer motherboards
- Smartphones and tablets

ORDERING INFORMATION

T59	EE	337	M	016	C	0025
TYPE	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT +85 °C	TERMINATION / 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.	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 = lead (Pb)-free solderable coating, 7" reel	Maximum 100 kHz ESR in mΩ

DIMENSIONS in inches [millimeters]



CASE CODE	EIA SIZE	H (MAX.)	L	W	P1	P2 (REF.)
EE	7343-43	0.169 [4.3]	0.287 ± 0.012 [7.3 ± 0.3]	0.169 ± 0.012 [4.3 ± 0.3]	0.051 ± 0.012 [1.3 ± 0.3]	0.191 [4.85]

Revision 2-Sept-16