



vPolyTan™ Polymer Surface-Mount Chip Capacitors Industrial Sample Kit



FEATURES

- Low ESR
- 100 % surge current tested
- Accelerated voltage conditioning
- High ripple current capability
- Stable capacitance in operating temperature range
- Better capacitance stability vs frequency
- No wear out effect
- Molded case 3528 and 7343 EIA size
- Terminations: wraparound (T59), L-shape (T58)
- Operating temperature: -55 °C to +105 °C
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS COMPLIANT
HALOGEN FREE
GREEN
(5-2008)

LINKS TO ADDITIONAL RESOURCES

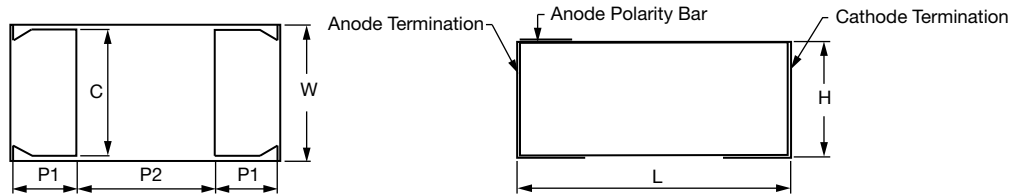


APPLICATIONS

- Decoupling, smoothing, filtering
- Bulk energy storage
- Infrastructure equipment
- Storage and networking
- Computer motherboards
- Smartphones and tablets

SPECIFICATIONS	
Part number	KIT-POLYTAN-IND
Capacitor type	MAP polymer tantalum
Capacitor tolerance	± 20 %
Operating temperature range	-55 °C to +105 °C
Termination finish	Sn (T59 / T58)
Moisture sensitivity level	3
Number of capacitors	See Capacitance Value List table

T59 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]

T58 DIMENSIONS in inches [millimeters]


CASE CODE	EIA SIZE	H (MAX.)	L	W	P1	P2 (REF.)	C
BB	3528-20	0.079 [2.0]	0.138 ± 0.008 [3.5 ± 0.2]	0.110 ± 0.008 [2.8 ± 0.2]	0.031 ± 0.008 [0.8 ± 0.2]	0.077 [1.95]	0.094 ± 0.004 [2.4 ± 0.1]

CAPACITANCE VALUE LIST

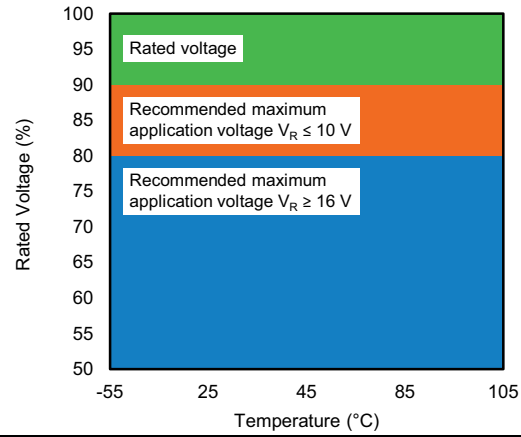
PART NUMBER	CAPACITANCE (μF)	VOLTAGE (V)	CASE CODE (SEE DIMENSIONS TABLE)	MAX. ESR AT +25 °C 100 kHz (mΩ)	NUMBER OF CAPACITORS
T59EE227M016C0025	220	16	EE	25	6
T59EE337M016C0025	330	16	EE	25	6
T59EE477M016C0020	470	16	EE	20	6
T59EE157M030C0075	150	30	EE	75	6
T59EE476M035C0055	47	35	EE	55	6
T59EE226M050C0100	22	50	EE	100	6
T59EE476M050C0100	47	50	EE	100	6
T59EE226M063C0100	22	63	EE	100	6
T59EE156M075C0100	15	75	EE	100	6
T59EE226M075C0100	22	75	EE	100	6
T58BB476M016C0090	47	16	BB	90	6
T58BB226M025C0100	22	25	BB	100	6

RECOMMENDED VOLTAGE DERATING GUIDELINES

CAPACITOR VOLTAGE RATING	OPERATING VOLTAGE
16	12.8
25	20
30	24
35	28
50	40
63	50
75	60



T58, T59 RECOMMENDED TEMPERATURE DERATING



For PERFORMANCE CHARACTERISTICS tables, please refer to T58 datasheet (www.vishay.com/ppg?40189) and T59 datasheet (www.vishay.com/ppg?40191).

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