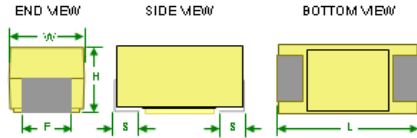


Component Dimensions



Case Codes		Component Dimensions (mm)				
KEMET	EIA	L	W	H	F ± 0.1	S ± 0.3
A	3216-18	3.2±0.2	1.6±0.2	1.6±0.2	1.2	0.8
B	3528-21	3.5±0.2	2.8±0.2	1.9±0.2	2.2	0.8
G	3216-15	3.2±0.2	1.6±0.2	1.3±0.2	1.2	0.8
T	3528-12	3.5±0.2	2.8±0.2	1.2 max	2.2	0.8

Features

- High Volumetric Efficiency
- Halogen-free Epoxy
- Pb Free/RoHS Compliant
- Meets or Exceeds EIA Standard 535BAAC
- Small Case Sizes

Specifications

Item	Performance Characteristics		
Operating Temperature	-55° C to 125° C with recommended voltage ratings		
Rated Capacitance Range	0.1 uF to 220uF @ 120 Hz/25° C		
Capacitance Tolerance	M Tolerance (20%)		
Rated Voltage Range	2.5 to 10 VDC (-55° C to 40° C)		
Voltage Derating Factor (40° C)	80% of rated voltage		
Voltage Derating Factor (85° C)	50% of rated voltage		
Voltage Derating Factor (125° C)	20% of rated voltage		
ESR (100KHz)	Refer to Part Number Electrical Specification Table		
Leakage Current	≤ 0.01CV (µA) at Rated Voltage		
Life Test	40° C @ Rated Voltage, 1000 Hrs.	ΔC/C	Within - 20% / + 10% of initial value
		DCL	Within 2X initial limit
	85° C @ 50% Rated Voltage, 1000 Hrs.	ΔC/C	Within - 20% / + 10% of initial value
		DCL	Within 4X initial limit
	125° C @ 20% Rated Voltage, 1000 Hrs.	ΔC/C	Within - 20% / + 10% of initial value
		DCL	Within 4X initial limit
Humidity	40° C, 93% RH, 1000Hr, No Load	ΔC/C	Within - 5% / + 35% of initial value
		DCL	Within 5X initial limit
Surge Voltage	40° C, 1.32 x rated voltage 1000 cycles	ΔC/C	Within - 20% / + 10% of initial value
		DCL	Within 2X initial limit
		ESR	Within 1.25X initial limit

* IL = Initial Limit

ESR allowed to shift 1.25 X initial limit post-boardmount

DCL allowed to shift 2 X initial limit post-boardmount

Reliability: 0.2% at 1000 hours at 85C, 0.5Vr with 0.1 ohms/V series impedance with 60% confidence level.

Part Number and Electrical Specification Table

KEMET Part Number	Case	Cap (µF)	Voltage	DCL (µA) max.	ESR 100kHz (Ω)
T490B227M006ATE500	B/3528-21	220	6	13.2	0.5