

# High Humidity & Temperature T591, T597, T598 & T599

## AEC-Q200 Compliant

### Sample Kit Contents

KEMET Part Number	Case Code/ Case Size	Rated Cap	Rated Voltage	DC Leakage	DF	ESR	Quantity
	KEMET/EIA	$\mu\text{F}$	VDC	$\mu\text{Amps} +25^{\circ}\text{C}$ Maximum/5 Minutes	% at $+25^{\circ}\text{C}$ 120 Hz Maximum	m $\Omega$ at $25^{\circ}\text{C}$ 100 kHz Maximum	
T591V227M2R5ATE009	V/7343-20	220	2.5	55	10	9	10
T598D477M2R5ATE006	D/7343-31	470	2.5	117.5	10	6	10
T598B227M2R5ATE025	B/3528-21	220	2.5	55	10	25	10
T598D337M006ATE025	D/7343-31	330	6.3	208	10	25	10
T599D157M006ATE025	D/7343-31	150	6.3	94.5	10	25	10
T598B476M010ATE070	B/3528-21	47	10	47	8	70	10
T598D157M016ATE065	D/7343-31	150	16	240	10	65	10
T598D336M035ATE065	D/7343-31	33	35	115.5	10	65	10
T599X336M035ATE065	X/7343-43	33	35	115.5	10	65	10
T598D106M050ATE090	D/7343-31	10	50	50	10	90	10
T597S107M2R5APE100	S/3216-12	100	2.5	75	10	100	10
T597S476M006APE200	S/3216-12	47	6.3	88.8	10	200	10
T598X156M075ATE075	X/7343-43	15	75	112.5	10	75	10
	KEMET/EIA	$\mu\text{F}$	VDC	$\mu\text{Amps} +25^{\circ}\text{C}$ Maximum/5 Minutes	% at $+25^{\circ}\text{C}$ 120 Hz Maximum	$\Omega$ at $25^{\circ}\text{C}$ 100 kHz Maximum	

### Moisture Sensitivity Notice

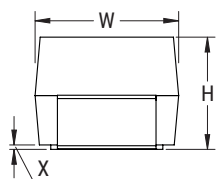
These KEMET devices are Moisture Sensitivity Level 3 (MSL3) rated per J-STD-020D. Mass production quantities are packaged in moisture resistant packaging and must be handled per J-STD-020D MSL3 requirements.

## Dimensions – Millimeters (Inches)

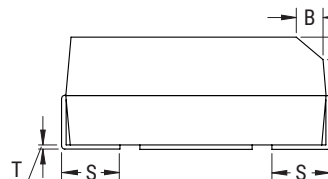
Metric will govern

### T591 / T598 / T599

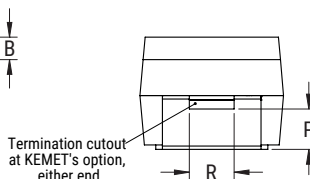
CATHODE (-) END VIEW



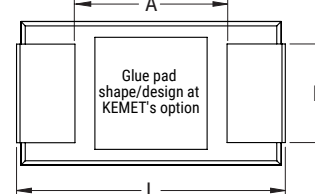
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



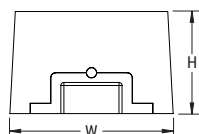
Case Size		Component Dimensions											Typical Weight
KEMET	EIA	L	W	H	F ±0.1 ±(0.004)	S ±0.3 ±(0.012)	B ±0.15 (Ref) ±0.006	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Minimum)	(mg)
B	3528-21	3.5 ±0.2 (0.138 ±0.008)	2.8 ±0.2 (0.110 ±0.008)	1.9 ±0.2 (0.075 ±0.008)	2.2 (0.087)	0.8 (0.031)	0.4 (0.016)	0.10 ±0.10 (0.004 ±0.004)	0.5 (0.020)	1.0 (0.039)	0.13 (0.005)	1.1 (0.043)	95
D	7343-31	7.3 ±0.3 (0.287 ±0.012)	4.3 ±0.3 (0.169 ±0.012)	2.8 ±0.3 (0.110 ±0.012)	2.4 (0.094)	1.3 (0.051)	0.5 (0.020)	0.10 ±0.10 (0.004 ±0.004)	0.9 (0.035)	1.0 (0.039)	0.13 (0.005)	3.8 (0.150)	435
V	7343-20	7.3 ±0.3 (0.287 ±0.012)	4.3 ±0.3 (0.169 ±0.012)	1.9 ±0.1 (0.075 ±0.004)	2.4 (0.094)	1.3 (0.051)	N/A	0.05 (0.002)	N/A	N/A	0.13 (0.005)	3.8 (0.150)	274
X	7343-43	7.3 ±0.3 (0.287 ±0.012)	4.3 ±0.3 (0.169 ±0.012)	4.0 ±0.3 (0.157 ±0.012)	2.4 (0.094)	1.3 (0.051)	0.5 (0.020)	0.10 ±0.10 (0.004 ±0.004)	1.7 (0.067)	1.0 (0.039)	0.13 (0.005)	3.8 (0.150)	554

Notes: Reference (Ref) – Dimensions provided for reference only. For low profile cases, no dimensions are provided for B, P, or R, because these cases do not have a bevel or a notch.

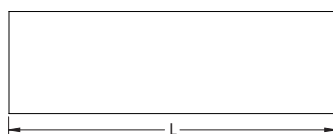
These weights are provided as reference. If exact weights are needed, please contact your KEMET sales representative.

### T597

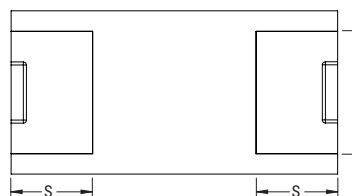
END VIEW



SIDE VIEW



BOTTOM VIEW



Case Size		Component Dimensions					Weight
KEMET	EIA	L	W	H	F ±0.1 (±0.004)	S ±0.2 (±0.008)	(mg)
P	2012-10	2.0 ±0.2 (0.079 ±0.008)	1.2 ±0.2 (0.047 ±0.008)	0.9 ±0.1 (0.035 ±0.004)	0.9 (0.035)	0.55 (0.022)	11.3
S	3216-12	3.2 ±0.2 (0.126 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	1.1 ±0.1 (0.043 ±0.004)	1.2 (0.047)	0.8 (0.031)	26.2

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