

## Sample Kit Contents

KEMET Part Number	Case Code/ Case Size	Rated Cap	Rated Voltage	DC Leakage	DF	ESR	Maximum Operating Temperature	Quantity
	KEMET/EIA	μF	VDC	μAmps +25°C Maximum/5 Minutes	% at +25°C 120 Hz Maximum	mΩ at 25°C 100 kHz Maximum		
T528B277M002APE006	B/3528-21	270	2	54.0	8	6	105	10
T528W337M2R5ATE009	W/7343-15	330	2.5	82.5	10	9	105	10
T520W337M2R5ATE015	W/7343-15	330	2.5	83.0	10	15	105	10
T520V477M2R5ATE006	V/7343-19	470	2.5	118.0	10	6	105	10
T527I476M006ATE200	I/3216-10	47	6.3	29.6	6	200	105	10
T529P476M006AAE200	P/2012-10	47	6.3	29.6	6	200	105	10
T520T476M006ATE070	T/3528-12	47	6.3	30	8	70	105	10
T527I107M006ATE100	I/3216-10	100	6.3	63.0	8	100	105	10
T520T107M006ATE070	T/3528-12	100	6.3	63.0	8	70	105	10
T520M157M006ATE070	M/3528-15	150	6.3	95.0	8	70	105	10
T520W477M006ATE035	W/7343-15	470	6.3	296.0	9	35	85	10
T521Q336M016ATE040	Q/7343-12	33	16	52.8	10	40	105	10
T521W476M016ATE045	W/7343-15	47	16	75.2	10	45	105	10
TF08A476M006APE150	08A/3216-08	47	6.3	29.6	10	150	105	10
TF08A226M016APE200	08A/3216-08	22	16	70.4	10	200	105	10
	KEMET/EIA	μF	VDC	μAmps +25°C Maximum/5 Minutes	% at +25°C 120 Hz Maximum	Ω at 25°C 100 kHz Maximum		

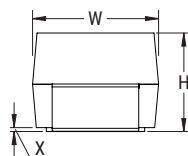
## Moisture Sensitivity Notice

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.

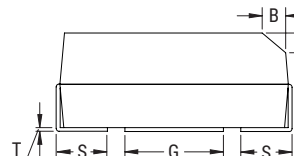
## Dimensions – Millimeters (Inches), T520 & T521

Metric will govern

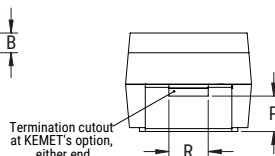
CATHODE (-) END VIEW



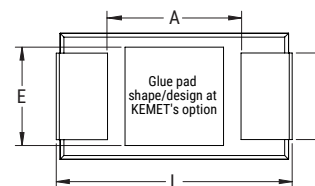
SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



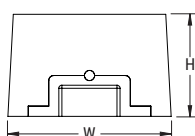
Case Size		Component										
KEMET	EIA	L*	W*	H*	F* $\pm 0.1$ $\pm(0.004)$	S* $\pm 0.3$ $\pm(0.012)$	B* $\pm 0.15$ (Ref) $\pm 0.006$	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)
M	3528-15	3.5 $\pm 0.2$ (0.138 $\pm 0.008$ )	2.8 $\pm 0.2$ (0.110 $\pm 0.008$ )	1.4 $\pm 0.1$ (0.055 $\pm 0.004$ )	2.2 (0.087)	0.8 (0.031)	N/A	0.05 (0.002)	N/A	N/A	0.13 (0.005)	1.1 (0.043)
Q	7343-12	7.3 $\pm 0.3$ (0.287 $\pm 0.012$ )	4.3 $\pm 0.3$ (0.169 $\pm 0.012$ )	1.1 $\pm 0.1$ (0.043 $\pm 0.004$ )	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)
T	3528-12	3.5 $\pm 0.2$ (0.138 $\pm 0.008$ )	2.8 $\pm 0.2$ (0.110 $\pm 0.008$ )	1.1 $\pm 0.1$ (0.043 $\pm 0.004$ )	2.2 (0.087)	0.8 (0.031)	N/A	0.05 (0.002)	N/A	N/A	0.13 (0.005)	1.1 (0.043)
V	7343-19	7.3 $\pm 0.3$ (0.287 $\pm 0.012$ )	4.3 $\pm 0.3$ (0.169 $\pm 0.012$ )	1.8 $\pm 0.1$ (0.071 $\pm 0.004$ )	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)
W	7343-15	7.3 $\pm 0.3$ (0.287 $\pm 0.012$ )	4.3 $\pm 0.3$ (0.169 $\pm 0.012$ )	1.4 $\pm 0.1$ (0.055 $\pm 0.004$ )	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)

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

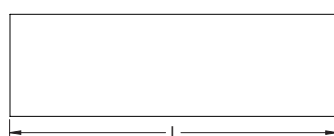
\* MIL-PRF-55365/8 specified dimensions

## Dimensions – Millimeters, TF08

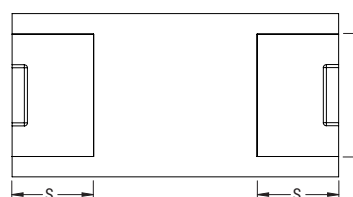
END VIEW



SIDE VIEW

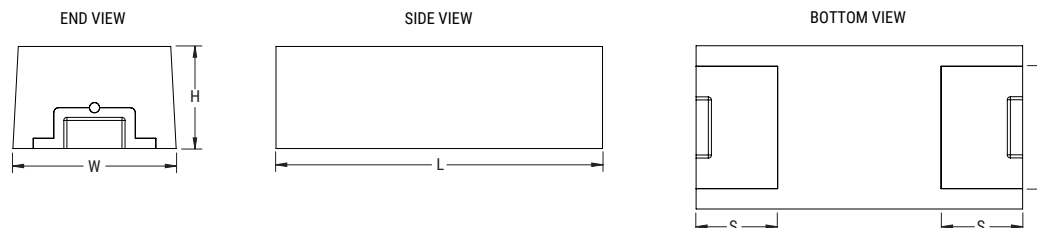


BOTTOM VIEW



Case Size		Component				
KEMET	EIA	L	W	H	F	S
08A	3216-08	3.2 $\pm 0.2$	1.6 $\pm 0.2$	0.8 Maximum	1.2 $\pm 0.1$	0.8 $\pm 0.2$

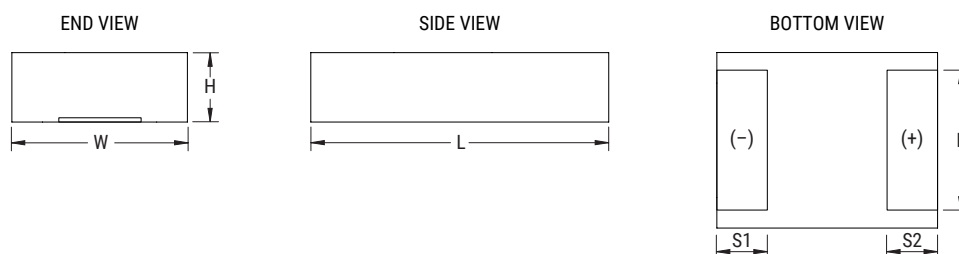
## Dimensions – Millimeters, T527



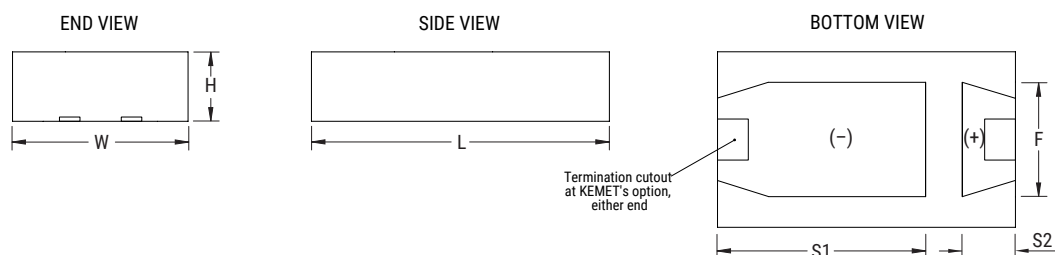
Case Size		Component				
KEMET	EIA	L	W	H	F	S
I	3216-10	3.2±0.2	1.6±0.2	0.9±0.1	1.2±0.1	0.8±0.2

## Dimensions – Millimeters, T528

### B Case

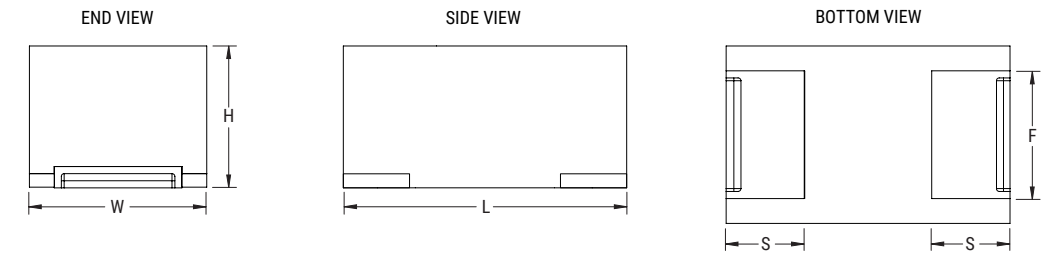


### W Case



Case Size		Component					
KEMET	EIA	L	W	H	F±0.2	S1	S2
B	3528-20	3.5±0.2	2.8±0.2	1.9 ±0.1	2.2	0.8 ±0.3	0.8 ±0.3
W	7343-15	7.3±0.4	4.3±0.3	1.4 ±0.1	2.8	5.0 ±0.4	1.3 ±0.2

Dimensions – Millimeters, T529



Case Size		Component				
KEMET	EIA	L	W	H	F	S
P	2012-10	2.0±0.1	1.25±0.1	1.0 maximum	0.9±0.1	0.55±0.1

## KEMET Electronics Corporation Sales Offices

For a complete list of our global sales offices, please visit [www.kemet.com/sales](http://www.kemet.com/sales).

---

## Disclaimer

YAGEO Corporation and its affiliates do not recommend the use of commercial or automotive grade products for high reliability applications or manned space flight.

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on KEMET Electronics Corporation's ("KEMET") knowledge of typical operating conditions for such applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by KEMET with reference to the use of KEMET's products is given gratis, and KEMET assumes no obligation or liability for the advice given or results obtained.

Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.

*KEMET is a registered trademark of KEMET Electronics Corporation.*