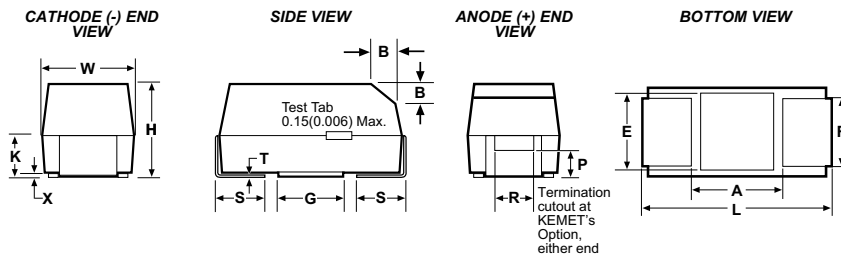


### FEATURES

- Built-in fuse protects against damaging short circuit failure mode
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1
- Case geometry and footprints equivalent to Industrial Grade T491 Series. (Case sizes B, C, D and X only)
- 100% Surge Current test on C, D, X sizes
- Patented fuse assembly
- Fuse actuation, 25°C: within 1 second at fault currents of 4 amps and higher.
- Continuous current capability: 0.75 amps
- Post-actuation resistance, 25°C: 10 megohms minimum
- Test tabs on the sides of the case bypass the capacitor element to allow direct testing of the fuse assembly.

### OUTLINE DRAWINGS

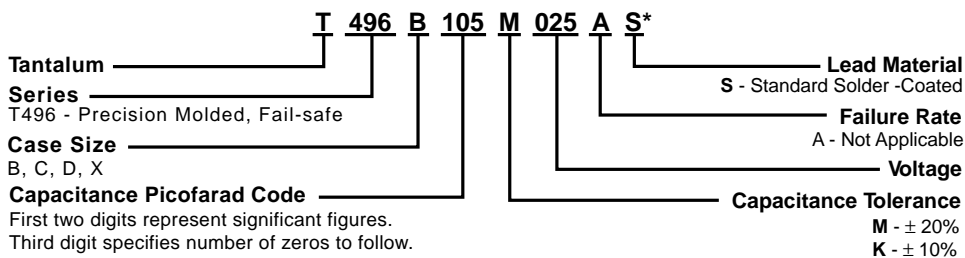


### DIMENSIONS — Millimeters (Inches)

CASE SIZE		COMPONENT													
KEMET	EIA	L	W	H	K ± 0.20 ± (.008)	F ± 0.1 ± (.004)	S ± 0.3 ± (.012)	B ± 0.15 (Ref) ± (.006)	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
B	3528-21	3.5 ± 0.2 (.138 ± .008)	2.8 ± 0.2 (.110 ± .008)	1.9 ± 0.2 (.075 ± .008)	1.1 (.043)	2.2 (.087)	0.8 (.031)	0.4 (.016)	0.10 ± 0.10 (.004 ± .004)	0.5 (.020)	1.0 (.039)	0.13 (.005)	1.1 (.043)	1.8 (.071)	2.2 (.087)
C	6032-28	6.0 ± 0.3 (.236 ± .012)	3.2 ± 0.3 (.126 ± .012)	2.5 ± 0.3 (.098 ± .012)	1.4 (.055)	2.2 (.087)	1.3 (.051)	0.5 (.020)	0.10 ± 0.10 (.004 ± .004)	0.9 (.035)	1.0 (.039)	0.13 (.005)	2.5 (.098)	2.8 (.110)	2.4 (.094)
D	7343-31	7.3 ± 0.3 (.287 ± .012)	4.3 ± 0.3 (.169 ± .012)	2.8 ± 0.3 (.110 ± .012)	1.5 (.059)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 ± 0.10 (.004 ± .004)	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-43	7.3 ± 0.3 (.287 ± .012)	4.3 ± 0.3 (.169 ± .012)	4.0 ± 0.3 (.157 ± .012)	2.3 (.091)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 ± 0.10 (.004 ± .004)	1.7 (.067)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5* (.138)	3.5* (.138)

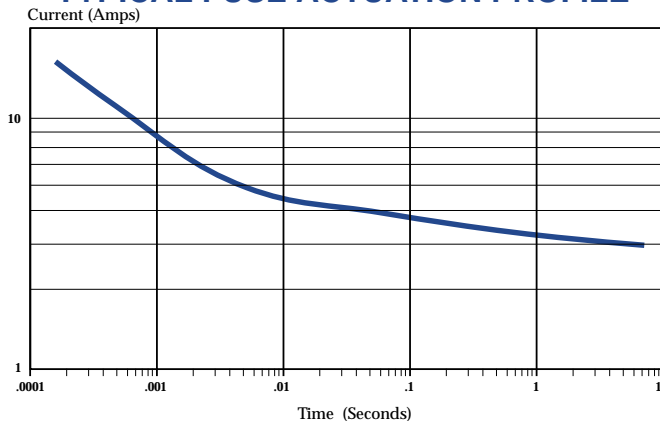
Notes: 1. Metric dimensions govern.  
 2. (Ref) - Dimensions provided for reference only.  
 \* Round glue pad: 2.9 ± 0.1mm (.114" ± .004") in diameter at KEMET's option.

### T496 Series – ORDERING INFORMATION



\* Part Number Example: T496B105M025AS (14 digits - no spaces)

### TYPICAL FUSE ACTUATION PROFILE

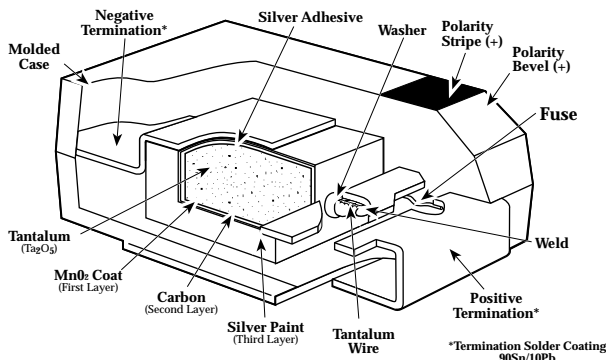


### T496 RATINGS & PART NUMBER REFERENCE

Capacitance μF	Case Size	KEMET Part Number	DCL μA @ +25°C Max.	DF % @ +25°C 120 Hz. Max.	ESR Ω @ +25°C 100 kHz Max.
<b>4 Volt Rating at +85°C (2.7 Volt Rating at +125°C)</b>					
68.0	*C	T496C686(1)004AS	2.7	6.0	1.6
100.0	*C	T496C107(1)004AS	4.0	8.0	1.2
150.0	D	T496D157(1)004AS	6.0	8.0	0.8
220.0	*D	T496D227(1)004AS	8.8	8.0	0.7
#330.0	*D	T496D337(1)004AS	13.2	8.0	0.7
330.0	*X	T496X337(1)004AS	13.2	8.0	0.7
#470.0	*X	T496X477(1)004AS	18.8	8.0	0.5
<b>**6 Volt Rating at +85°C (4 Volt Rating at +125°C)</b>					
4.7	B	T496B475(1)006AS	0.5	6.0	3.5
6.8	B	T496B685(1)006AS	0.5	6.0	3.5
10.0	B	T496B106(1)006AS	0.6	6.0	3.5
22.0	B	T496B226(1)006AS	1.3	6.0	3.5
15.0	C	T496C156(1)006AS	0.9	6.0	2.0
22.0	C	T496C226(1)006AS	1.4	6.0	2.0
33.0	C	T496C336(1)006AS	2.0	6.0	2.0
47.0	D	T496D476(1)006AS	2.9	6.0	1.0
47.0	*C	T496C476(1)006AS	2.9	6.0	1.6
68.0	D	T496D686(1)006AS	4.1	6.0	1.0
#68.0	*C	T496C686(1)006AS	4.1	6.0	1.2
100.0	X	T496X107(1)006AS	6.0	8.0	0.9
100.0	D	T496D107(1)006AS	6.0	8.0	0.8
150.0	*D	T496D157(1)006AS	9.0	8.0	0.7
#220.0	*D	T496D227(1)006AS	13.2	8.0	0.7
220.0	*X	T496X227(1)006AS	13.2	8.0	0.7
#330.0	*X	T496X337(1)006AS	19.8	8.0	0.5
<b>10 Volt Rating at +85°C (7 Volt Rating at +125°C)</b>					
3.3	B	T496B335(1)010AS	0.5	6.0	3.5
4.7	B	T496B475(1)010AS	0.5	6.0	3.5
6.8	B	T496B685(1)010AS	0.7	6.0	3.5
15.0	B	T496B156(1)010AS	1.5	6.0	3.5
10.0	C	T496C106(1)010AS	1.0	6.0	2.0
15.0	C	T496C156(1)010AS	1.5	6.0	2.0
22.0	C	T496C226(1)010AS	2.2	6.0	2.0
33.0	D	T496D336(1)010AS	3.3	6.0	1.0
33.0	*C	T496C336(1)010AS	3.3	6.0	1.6
47.0	D	T496D476(1)010AS	4.7	6.0	1.0
#47.0	*C	T496C476(1)010AS	4.7	6.0	1.2
68.0	X	T496X686(1)010AS	6.8	6.0	0.9
68.0	D	T496D686(1)010AS	6.8	6.0	0.8
100.0	D	T496D107(1)010AS	10.0	8.0	0.7
150.0	*X	T496X157(1)010AS	15.0	8.0	0.7
#150.0	*D	T496D157(1)010AS	15.0	8.0	0.7
#220.0	*X	T496X227(1)010AS	22.0	8.0	0.5
<b>16 Volt Rating at +85°C (10 Volt Rating at +125°C)</b>					
2.2	B	T496B225(1)016AS	0.5	6.0	3.5
3.3	B	T496B335(1)016AS	0.5	6.0	3.5
4.7	B	T496B475(1)016AS	0.8	6.0	3.5
10.0	B	T496B106(1)016AS	1.6	6.0	3.5
6.8	C	T496C685(1)016AS	1.1	6.0	2.0
10.0	C	T496C106(1)016AS	1.6	6.0	2.0
15.0	C	T496C156(1)016AS	2.4	6.0	2.0
22.0	D	T496D226(1)016AS	3.6	6.0	1.0
22.0	*C	T496C226(1)016AS	3.6	6.0	1.6
33.0	D	T496D336(1)016AS	5.3	6.0	1.0
47.0	X	T496X476(1)016AS	7.5	6.0	0.9
47.0	D	T496D476(1)016AS	7.5	6.0	0.8
100.0	*X	T496X107(1)016AS	16.0	8.0	0.7

\*\* Note: 6V rating equivalent to 6.3 rating \*Extended Ratings  
# Maximum capacitance change @ 125°C = +15% (all others =12%)

### T496 SERIES CONSTRUCTION



Capacitance μF	Case Size	KEMET Part Number	DCL μA @ +25°C Max.	DF % @ +25°C 120 Hz. Max.	ESR Ω @ +25°C 100 kHz Max.
<b>20 Volt Rating at +85°C (13 Volt Rating at +125°C)</b>					
1.5	B	T496B155(1)020AS	0.5	6.0	5.0
2.2	B	T496B225(1)020AS	0.5	6.0	3.5
3.3	B	T496B335(1)020AS	0.7	6.0	3.5
4.7	C	T496C475(1)020AS	1.0	6.0	2.0
6.8	C	T496C685(1)020AS	1.4	6.0	2.0
10.0	C	T496C106(1)020AS	2.0	6.0	2.0
15.0	D	T496D156(1)020AS	3.0	6.0	1.0
22.0	D	T496D226(1)020AS	4.4	6.0	1.0
33.0	X	T496X336(1)020AS	6.6	6.0	0.9
<b>25 Volt Rating at +85°C (17 Volt Rating at +125°C)</b>					
0.68	B	T496B684(1)025AS	0.5	4.0	6.5
1.0	B	T496B105(1)025AS	0.5	4.0	5.0
1.5	B	T496B155(1)025AS	0.5	6.0	5.0
2.2	C	T496C225(1)025AS	0.6	6.0	3.5
3.3	C	T496C335(1)025AS	0.9	6.0	2.5
4.7	C	T496C475(1)025AS	1.2	6.0	2.5
6.8	C	T496C685(1)025AS	1.7	6.0	2.0
10.0	D	T496D106(1)025AS	2.5	6.0	1.2
15.0	D	T496D156(1)025AS	3.8	6.0	1.0
22.0	X	T496X226(1)025AS	5.5	6.0	0.9
22.0	D	T496D226(1)025AS	5.5	6.0	0.8
<b>35 Volt Rating at +85°C (23 Volt Rating at +125°C)</b>					
0.47	B	T496B474(1)035AS	0.5	4.0	8.0
0.68	B	T496B684(1)035AS	0.5	4.0	6.5
1.0	B	T496B105(1)035AS	0.5	4.0	5.0
1.5	C	T496C155(1)035AS	0.5	6.0	4.5
2.2	C	T496C225(1)035AS	0.8	6.0	3.5
3.3	C	T496C335(1)035AS	1.2	6.0	2.5
4.7	D	T496D475(1)035AS	1.7	6.0	1.5
6.8	D	T496D685(1)035AS	2.4	6.0	1.3
10.0	X	T496X106(1)035AS	3.5	6.0	1.0
15.0	*X	T496X156(1)035AS	5.3	6.0	0.9
<b>50 Volt Rating at +85°C (33 Volt Rating at +125°C)</b>					
0.15	B	T496B154(1)050AS	0.5	4.0	16.0
0.22	B	T496B224(1)050AS	0.5	4.0	14.0
0.33	B	T496B334(1)050AS	0.5	4.0	10.0
0.47	C	T496C474(1)050AS	0.5	4.0	8.0
0.68	C	T496C684(1)050AS	0.5	4.0	7.0
1.0	C	T496C105(1)050AS	0.5	4.0	5.5
1.5	C	T496C155(1)050AS	0.8	6.0	5.0
2.2	D	T496D225(1)050AS	1.1	6.0	2.5
3.3	D	T496D335(1)050AS	1.7	6.0	2.0
4.7	X	T496X475(1)050AS	2.4	6.0	1.5

(1) To complete KEMET Part Number, insert M for ±20% tolerance or K for ±10% tolerance.

Higher voltage ratings and tighter capacitance tolerance product may be substituted within the same size at KEMET's option. Voltage substitutions will be marked with the higher voltage rating.

### CAPACITOR MARKINGS

T496 Series — All Case Sizes

