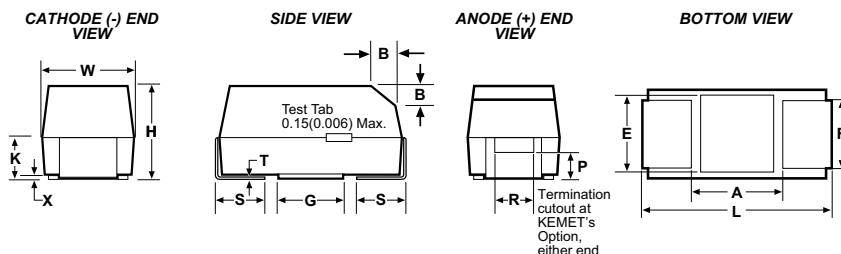


FEATURES

- 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
- Operating Temperature: -55°C to +125°C
- 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.
- RoHS Compliant & Leadfree Terminations (See www.kemet.com for lead transition)

OUTLINE DRAWINGS

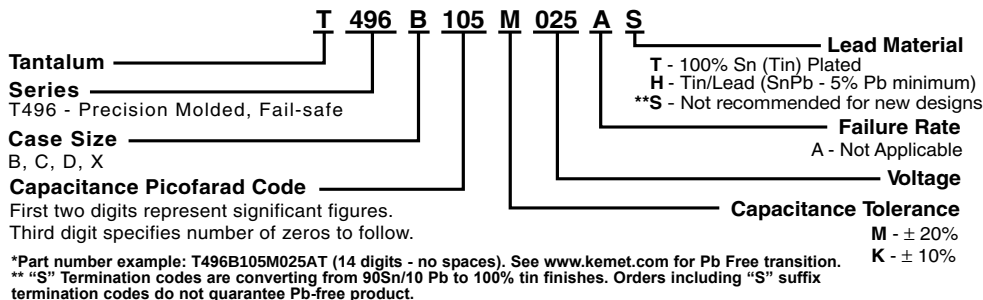


DIMENSIONS — Millimeters (Inches)

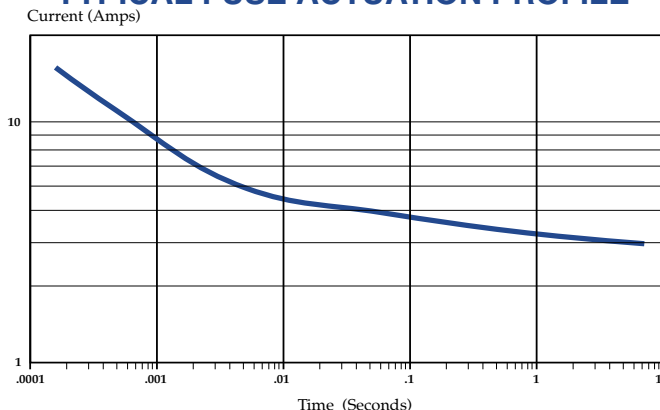
CASE SIZE		COMPONENT													
KEMET	EIA	L	W	H	K ± 0.20 $\pm (.008)$	F ± 0.1 $\pm (.004)$	S ± 0.3 $\pm (.012)$	B (Ref) ± 0.15 $\pm (.006)$	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
B	3528-21	3.5 $\pm$ 0.2 (.138 $\pm$.008)	2.8 $\pm$ 0.2 (.110 $\pm$.008)	1.9 $\pm$ 0.2 (.075 $\pm$.008)	1.1 (.043)	2.2 (.087)	0.8 (.031)	0.4 (.016)	0.10 $\pm$ 0.10 (.004 $\pm$.004)	0.5 (.020)	1.0 (.039)	0.13 (.005)	2.1 (.083)	1.8 (.071)	2.2 (.087)
C	6032-28	6.0 $\pm$ 0.3 (.236 $\pm$.012)	3.2 $\pm$ 0.3 (.126 $\pm$.012)	2.5 $\pm$ 0.3 (.098 $\pm$.012)	1.4 (.055)	2.2 (.087)	1.3 (.051)	0.5 (.020)	0.10 $\pm$ 0.10 (.004 $\pm$.004)	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.1 (.122)	2.8 (.110)	2.4 (.094)
D	7343-31	7.3 $\pm$ 0.3 (.287 $\pm$.012)	4.3 $\pm$ 0.3 (.169 $\pm$.012)	2.8 $\pm$ 0.3 (.110 $\pm$.012)	1.5 (.059)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 $\pm$ 0.10 (.004 $\pm$.004)	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-43	7.3 $\pm$ 0.3 (.287 $\pm$.012)	4.3 $\pm$ 0.3 (.169 $\pm$.012)	4.0 $\pm$ 0.3 (.157 $\pm$.012)	2.3 (.091)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 $\pm$ 0.10 (.004 $\pm$.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



TYPICAL FUSE ACTUATION PROFILE



SOLID TANTALUM CHIP CAPACITORS

T496 SERIES—Fail-Safe Fused



Solid Tantalum Surface Mount

T496 RATINGS & PART NUMBER REFERENCE

Capacitance μ F	Case Size	KEMET Part Number	DCL μ A @ 25°C Max.	DF % @ +25°C 120 Hz. Max.	ESR Ω @ +25°C 100 kHz Max.
4 Volt Rating at +85°C (2.7 Volt Rating at +125°C)					
68.0	*C	T496C686(1)004A(2)	2.7	6.0	1.6
100.0	*C	T496C107(1)004A(2)	4.0	8.0	1.2
150.0	D	T496D157(1)004A(2)	6.0	8.0	0.8
220.0	*D	T496D227(1)004A(2)	8.8	8.0	0.7
#330.0	*D	T496D337(1)004A(2)	13.2	8.0	0.7
330.0	*X	T496X337(1)004A(2)	13.2	8.0	0.7
#470.0	*X	T496X477(1)004A(2)	18.8	8.0	0.5
**6 Volt Rating at +85°C (4 Volt Rating at +125°C)					
4.7	B	T496B475(1)006A(2)	0.5	6.0	3.5
6.8	B	T496B685(1)006A(2)	0.5	6.0	3.5
10.0	B	T496B106(1)006A(2)	0.6	6.0	3.5
22.0	B	T496B226(1)006A(2)	1.3	6.0	3.5
15.0	C	T496C156(1)006A(2)	0.9	6.0	2.0
22.0	C	T496C226(1)006A(2)	1.4	6.0	2.0
33.0	C	T496C336(1)006A(2)	2.0	6.0	2.0
47.0	D	T496D476(1)006A(2)	2.9	6.0	1.0
47.0	*C	T496C476(1)006A(2)	2.9	6.0	1.6
68.0	D	T496D686(1)006A(2)	4.1	6.0	1.0
#68.0	*C	T496C686(1)006A(2)	4.1	6.0	1.2
100.0	X	T496X107(1)006A(2)	6.0	8.0	0.9
100.0	D	T496D107(1)006A(2)	6.0	8.0	0.8
150.0	*D	T496D157(1)006A(2)	9.0	8.0	0.7
#220.0	*D	T496D227(1)006A(2)	13.2	8.0	0.7
220.0	*X	T496X227(1)006A(2)	13.2	8.0	0.7
#330.0	*X	T496X337(1)006A(2)	19.8	8.0	0.5
10 Volt Rating at +85°C (7 Volt Rating at +125°C)					
3.3	B	T496B335(1)010A(2)	0.5	6.0	3.5
4.7	B	T496B475(1)010A(2)	0.5	6.0	3.5
6.8	B	T496B685(1)010A(2)	0.7	6.0	3.5
10.0	C	T496C106(1)010A(2)	1.0	6.0	2.0
15.0	B	T496B156(1)010A(2)	1.5	6.0	3.5
15.0	C	T496C156(1)010A(2)	1.5	6.0	2.0
22.0	C	T496C226(1)010A(2)	2.2	6.0	2.0
33.0	D	T496D336(1)010A(2)	3.3	6.0	1.0
33.0	*C	T496C336(1)010A(2)	3.3	6.0	1.6
47.0	D	T496D476(1)010A(2)	4.7	6.0	1.0
#47.0	*C	T496C476(1)010A(2)	4.7	6.0	1.2
68.0	X	T496X686(1)010A(2)	6.8	6.0	0.9
68.0	D	T496D686(1)010A(2)	6.8	6.0	0.8
100.0	D	T496D107(1)010A(2)	10.0	8.0	0.7
150.0	*X	T496X157(1)010A92)	15.0	8.0	0.7
#150.0	*D	T496D157(1)010A(2)	15.0	8.0	0.7
#220.0	*X	T496X227(1)010A(2)	22.0	8.0	0.5
16 Volt Rating at +85°C (10 Volt Rating at +125°C)					
2.2	B	T496B225(1)016A(2)	0.5	6.0	3.5
3.3	B	T496B335(1)016A(2)	0.5	6.0	3.5
4.7	B	T496B475(1)016A(2)	0.8	6.0	3.5
6.8	C	T496C685(1)016A(2)	1.1	6.0	2.0
10.0	B	T496B106(1)016A(2)	1.6	6.0	3.5
10.0	C	T496C106(1)016A(2)	1.6	6.0	2.0
15.0	C	T496C156(1)016A(2)	2.4	6.0	2.0
22.0	D	T496D226(1)016A(2)	3.6	6.0	1.0
22.0	*C	T496C226(1)016A(2)	3.6	6.0	1.6
33.0	D	T496D336(1)016A(2)	5.3	6.0	1.0
47.0	X	T496X476(1)016A(2)	7.5	6.0	0.9
47.0	D	T496D476(1)016A(2)	7.5	6.0	0.8
100.0	*X	T496X107(1)016A(2)	16.0	8.0	0.7

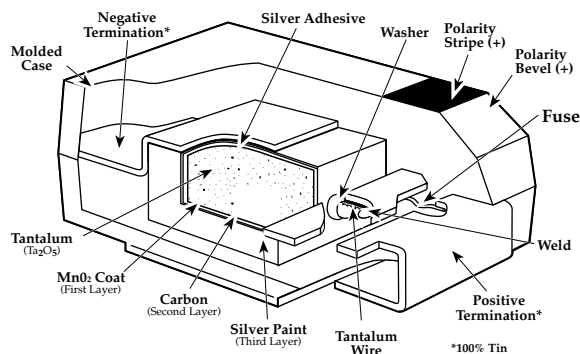
Capacitance μ F	Case Size	KEMET Part Number	DCL μ A @ 25°C Max.	DF % @ +25°C 120 Hz. Max.	ESR Ω @ +25°C 100 kHz Max.
20 Volt Rating at +85°C (13 Volt Rating at +125°C)					
1.5	B	T496B155(1)020A(2)	0.5	6.0	5.0
2.2	B	T496B225(1)020A(2)	0.5	6.0	3.5
3.3	B	T496B335(1)020A(2)	0.7	6.0	3.5
4.7	C	T496C475(1)020A(2)	1.0	6.0	2.0
6.8	C	T496C685(1)020A(2)	1.4	6.0	2.0
10.0	C	T496C106(1)020A(2)	2.0	6.0	2.0
15.0	D	T496D156(1)020A(2)	3.0	6.0	1.0
22.0	D	T496D226(1)020A(2)	4.4	6.0	1.0
33.0	X	T496X336(1)020A(2)	6.6	6.0	0.9
47.0	X	T496X476(1)020A(2)	9.4	6.0	0.3
25 Volt Rating at +85°C (17 Volt Rating at +125°C)					
0.68	B	T496B684(1)025A(2)	0.5	4.0	6.5
1.0	B	T496B105(1)025A(2)	0.5	4.0	5.0
1.5	B	T496B155(1)025A(2)	0.5	6.0	5.0
2.2	C	T496C225(1)025A(2)	0.6	6.0	3.5
3.3	C	T496C335(1)025A(2)	0.9	6.0	2.5
4.7	C	T496C475(1)025A(2)	1.2	6.0	2.5
6.8	C	T496C685(1)025A(2)	1.7	6.0	2.0
10.0	C	T496C106(1)025A(2)	2.5	6.0	0.6
10.0	D	T496D106(1)025A(2)	2.5	6.0	1.2
15.0	D	T496D156(1)025A(2)	3.8	6.0	1.0
22.0	X	T496X226(1)025A(2)	5.5	6.0	0.9
22.0	D	T496D226(1)025A(2)	5.5	6.0	0.8
35 Volt Rating at +85°C (23 Volt Rating at +125°C)					
0.47	B	T496B474(1)035A(2)	0.5	4.0	8.0
0.68	B	T496B684(1)035A(2)	0.5	4.0	6.5
1.0	B	T496B105(1)035A(2)	0.5	4.0	5.0
1.5	C	T496C155(1)035A(2)	0.5	6.0	4.5
2.2	C	T496C225(1)035A(2)	0.8	6.0	3.5
3.3	C	T496C335(1)035A(2)	1.2	6.0	2.5
4.7	D	T496D475(1)035A(2)	1.7	6.0	1.5
6.8	D	T496D685(1)035A(2)	2.4	6.0	1.3
10.0	X	T496X106(1)035A(2)	3.5	6.0	1.0
15.0	*X	T496X156(1)035A(2)	5.3	6.0	0.9
22.0	X	T496X226(1)035A(2)	7.7	6.0	0.3
50 Volt Rating at +85°C (33 Volt Rating at +125°C)					
0.15	B	T496B154(1)050A(2)	0.5	4.0	16.0
0.22	B	T496B224(1)050A(2)	0.5	4.0	14.0
0.33	B	T496B334(1)050A(2)	0.5	4.0	10.0
0.47	C	T496C474(1)050A(2)	0.5	4.0	8.0
0.68	C	T496C684(1)050A(2)	0.5	4.0	7.0
1.0	C	T496C105(1)050A(2)	0.5	4.0	5.5
1.5	C	T496C155(1)050A(2)	0.8	6.0	5.0
2.2	D	T496D225(1)050A(2)	1.1	6.0	2.5
3.3	D	T496D335(1)050A(2)	1.7	6.0	2.0

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

(2) To complete KEMET Part Number, insert lead material designation for Ordering Information on page 36.

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.

T496 SERIES CONSTRUCTION



CAPACITOR MARKINGS

T496 Series — All Case Sizes

