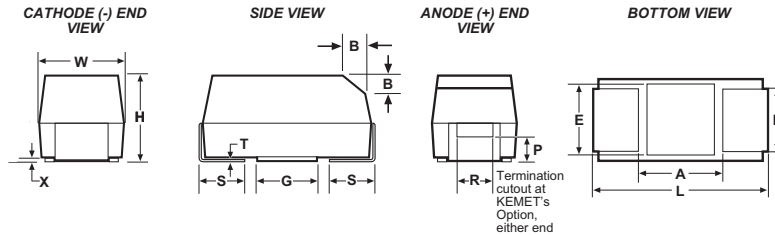


FEATURES

- Low ESR values in EIA 535BAAC sizes
- Taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold-plated Terminations
- Laser-marked Case
- 100% Surge Current test on C, D, E, U, V, X sizes
- Capacitance: 0.1 μ F to 1000 μ F
- Tolerance: $\pm 10\%$, $\pm 20\%$
- Voltage: 3-50 VDC
- Extended Range Values
- Low Profile Case Sizes
- RoHS Compliant & Leadfree Terminations (See www.kemet.com for lead transition)
- Operating Temperature: -55°C to $+125^{\circ}\text{C}$

CAPACITOR OUTLINE DRAWING



STANDARD T494 DIMENSIONS Millimeters (inches)

Case Size		Component												
KEMET	EIA	L*	W*	H*	F* ± 0.1 $\pm (.004)$	S* ± 0.3 $\pm (.012)$	B ± 0.15 $(\text{Ref}) \pm .006$	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
A	3216-18	3.2 ± 0.2 (.126 $\pm .008$)	1.6 ± 0.2 (.063 $\pm .008$)	1.6 ± 0.2 (.063 $\pm .008$)	1.2 (.047)	0.8 (.031)	0.4 (.016)	0.10 ± 0.10 (.004 $\pm .004$)	0.4 (.016)	0.4 (.016)	0.13 (.005)	1.4 (.055)	1.1 (.043)	1.3 (.051)
B	3528-21	3.5 ± 0.2 (.138 $\pm .008$)	2.8 ± 0.2 (.110 $\pm .008$)	1.9 ± 0.2 (.075 $\pm .008$)	2.2 (.087)	0.8 (.031)	0.4 (.016)	0.10 ± 0.10 (.004 $\pm .004$)	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 $\pm .012$)	3.2 ± 0.3 (.126 $\pm .012$)	2.5 ± 0.3 (.098 $\pm .012$)	2.2 (.087)	1.3 (.051)	0.5 (.020)	0.10 ± 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 ± 0.3 (.287 $\pm .012$)	4.3 ± 0.3 (.169 $\pm .012$)	2.8 ± 0.3 (.110 $\pm .012$)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 ± 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 ± 0.3 (.287 $\pm .012$)	4.3 ± 0.3 (.169 $\pm .012$)	4.0 ± 0.3 (.157 $\pm .012$)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 ± 0.10 (.004 $\pm .004$)	1.7 (.067)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
E	7260-38	7.3 ± 0.3 (.287 $\pm .012$)	6.0 ± 0.3 (.236 $\pm .012$)	3.6 ± 0.2 (.142 $\pm .008$)	4.1 (.161)	1.3 (.051)	0.5 (.020)	0.10 ± 0.10 (.004 $\pm .004$)	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

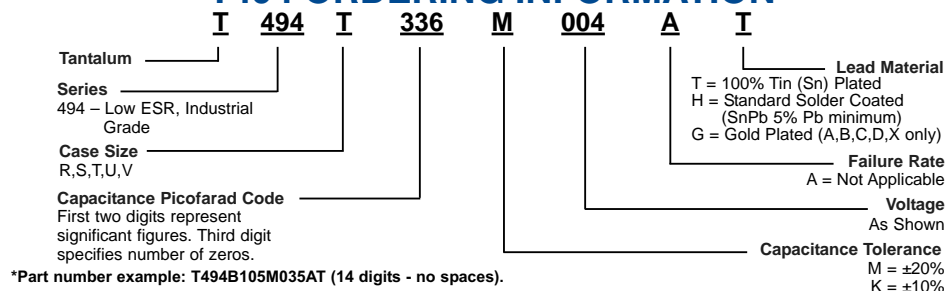
Notes: 1. Metric dimensions govern
2. (Ref) Dimensions provided for reference only
* Mil-PRF-55365/8 Specified Dimensions

LOW PROFILE T494 DIMENSIONS Millimeters (inches)

Case Size		Component										
KEMET	EIA	L*	W*	H max	F* ± 0.1 $\pm (.004)$	S* ± 0.3 $\pm (.012)$	X (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)	
R	2012-12	2.0 ± 0.2 (.079 $\pm .008$)	1.3 ± 0.2 (.051 $\pm .008$)	1.2 (.047)	0.9 (.035)	0.5 (.020)	0.05 (.002)	0.13 (.005)	0.8 (.031)	0.5 (.020)	0.8 (.031)	
S	3216-12	3.2 ± 0.2 (.126 $\pm .008$)	1.6 ± 0.2 (.063 $\pm .008$)	1.2 (.047)	1.2 (.047)	0.8 (.031)	0.05 (.002)	0.13 (.005)	1.4 (.055)	1.1 (.043)	1.3 (.051)	
T	3528-12	3.5 ± 0.2 (.138 $\pm .008$)	2.8 ± 0.2 (.110 $\pm .008$)	1.2 (.047)	2.2 (.087)	0.8 (.031)	0.05 (.002)	0.13 (.005)	1.1 (.043)	1.8 (.071)	2.2 (.087)	
U	6032-15	6.0 ± 0.3 (.236 $\pm .012$)	3.2 ± 0.3 (.126 $\pm .012$)	1.5 (.059)	2.2 (.087)	1.3 (.051)	0.05 (.002)	0.13 (.005)	3.1 (.122)	2.8 (.110)	2.4 (.094)	
V	7343-20	7.3 ± 0.3 (.287 $\pm .012$)	4.3 ± 0.3 (.169 $\pm .012$)	2.0 (.079)	2.4 (.094)	1.3 (.051)	0.05 (.002)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)	

Notes: 1. Metric dimensions govern
2. (Ref) Dimensions provided for reference only
3. No dimensions provided for B,P or R because low profile cases do not have a bevel or a notch.

T494 ORDERING INFORMATION



Solid Tantalum Surface Mount

T494 RATINGS & PART NUMBER REFERENCE

Table with 5 columns: Capacitance µF, Case Size, KEMET Part Number, DC Leakage µA @ 25°C Max, DF % @ +25°C 120 Hz Max, ESR Ω @ +25°C 100 kHz Max. It is divided into sections for 10 Volt Rating at +85°C and 16 Volt Rating at +85°C.

Table with 5 columns: Capacitance µF, Case Size, KEMET Part Number, DC Leakage µA @ 25°C Max, DF % @ +25°C 120 Hz Max, ESR Ω @ +25°C 100 kHz Max. It is divided into sections for 16 Volt Rating at +85°C, 20 Volt Rating at +85°C, and 25 Volt Rating at +85°C.

Solid Tantalum Surface Mount

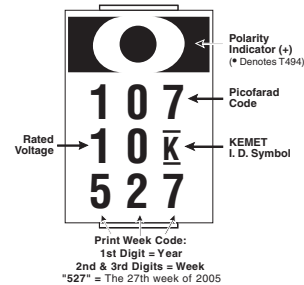
(1) To complete KEMET Part Number, insert M for ±20% tolerance or K for ±10% tolerance. (2) To complete KEMET Part Number, insert H, G, or T lead material designation as shown on page 27. *Extended Values **6 Volt product equivalent to 6.3 volt product. #Maximum Capacitance Change @ 125°C=+15%.

†Maximum Capacitance Change @ 125°C=+20%. Higher voltage ratings and tighter tolerance product may be substituted within the same size at KEMET's option. Voltage substitutions will be marked with the higher voltage rating.

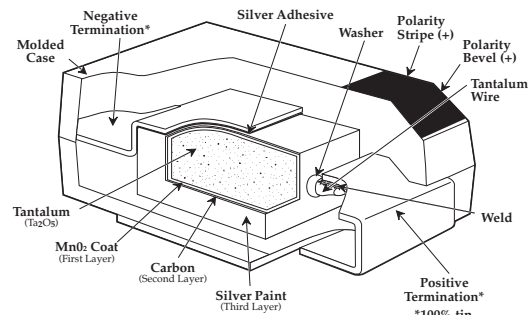
T494 RATINGS & PART NUMBER REFERENCE

Capacitance µF	Case Size	KEMET Part Number	DC Leakage µA @ 25°C Max	DF % @ +25°C 120 Hz Max	ESR Ω @ +25°C 100 kHz Max
35 Volt Rating at +85°C (23 Volt Rating at +125°C)					
0.10	A	T494A104(1)035A(2)	0.5	4.0	10.0
0.15	A	T494A154(1)035A(2)	0.5	4.0	6.0
0.22	A	T494A224(1)035A(2)	0.5	4.0	6.0
0.33	A	T494A334(1)035A(2)	0.5	4.0	6.0
0.47	B	T494B474(1)035A(2)	0.5	4.0	2.5
0.47	A	T494A474(1)035A(2)	0.5	4.0	4.0
0.68	B	T494B684(1)035A(2)	0.5	4.0	2.5
0.68	A	T494A684(1)035A(2)	0.5	4.0	6.0
1.0	B	T494B105(1)035A(2)	0.5	4.0	2.0
1.0	A	T494A105(1)035A(2)	0.5	4.0	6.0
1.5	C	T494C155(1)035A(2)	0.5	6.0	2.5
1.5	B	T494B155(1)035A(2)	0.5	6.0	3.0
2.2	C	T494C225(1)035A(2)	0.8	6.0	1.5
2.2	B	T494B225(1)035A(2)	0.8	6.0	2.5
3.3	C	T494C335(1)035A(2)	1.2	6.0	0.8
#3.3	B	T494B335(1)035A(2)	1.2	6.0	1.3
4.7	D	T494D475(1)035A(2)	1.7	6.0	0.7
4.7	C	T494C475(1)035A(2)	1.7	6.0	0.7
6.8	D	T494D685(1)035A(2)	2.4	6.0	0.5
6.8	C	T494C685(1)035A(2)	2.4	6.0	0.9
10.0	D	T494D106(1)035A(2)	3.5	6.0	0.4
#10.0	C	T494C106M035A(2)	3.5	6.0	1.2
#10.0	*V	T494V106(1)035A(2)	3.5	6.0	0.8
15.0	X	T494X156(1)035A(2)	5.3	6.0	0.30
15.0	D	T494D156(1)035A(2)	5.3	6.0	0.35
#22.0	X	T494X226(1)035A(2)	7.7	6.0	0.3
#22.0	D	T494D226(1)035A(2)	7.7	6.0	0.4
#33.0	D	T494D336(1)035A(2)	11.6	6.0	0.6
#33.0	X	T494X336(1)035A(2)	11.6	6.0	0.6
†47.0	X	T494X476(1)035A(2)	16.5	8.0	0.5
†47.0	E	T494E476(1)035A(2)	16.5	10.0	0.3
50 Volt Rating at +85°C (33 Volt Rating at +125°C)					
0.10	A	T494A104(1)050A(2)	0.5	4.0	10.0
0.15	B	T494B154(1)050A(2)	0.5	4.0	10.0
0.15	A	T494A154(1)050A(2)	0.5	4.0	10.0
0.22	B	T494B224(1)050A(2)	0.5	4.0	10.0
0.33	B	T494B334(1)050A(2)	0.5	4.0	2.5
0.47	C	T494C474(1)050A(2)	0.5	4.0	1.8
0.47	B	T494B474(1)050A(2)	0.5	4.0	2.0
0.68	C	T494C684(1)050A(2)	0.5	4.0	1.6
0.68	B	T494B684(1)050A(2)	0.5	4.0	3.0
1.0	C	T494C105(1)050A(2)	0.5	4.0	1.6
1.0	B	T494B105(1)050A(2)	0.5	6.0	4.0
#1.0	V	T494V105M050A(2)	0.5	4.0	4.0
1.5	D	T494D155(1)050A(2)	0.8	6.0	1.0
1.5	C	T494C155(1)050A(2)	0.8	6.0	1.5
2.2	D	T494D225(1)050A(2)	1.1	6.0	0.8
2.2	C	T494C225(1)050A(2)	1.1	6.0	1.5
3.3	D	T494D335(1)050A(2)	1.7	6.0	0.8
4.7	D	T494D475(1)050A(2)	2.4	6.0	0.6
6.8	X	T494X685(1)050A(2)	3.5	6.0	0.5
#6.8	D	T494D685(1)050A(2)	3.4	6.0	0.7
#10.0	X	T494X106M050A(2)	5.0	6.0	0.4
#10.0	D	T494D106(1)050A(2)	5.0	6.0	0.7
†15.0	X	T494X156(1)050A(2)	7.5	6.0	0.4
22.0	X	T494X226(1)050A(2)	11.0	10.0	0.5

CAPACITOR MARKINGS T494 Series — All Case Sizes



CONSTRUCTION



(1) To complete KEMET Part Number, insert M for ±20% tolerance or K for ±10% tolerance.
 (2) To complete KEMET Part Number, insert H, G, or T lead material designation as shown on page 27.
 *Extended Values

**6 Volt product equivalent to 6.3 volt product.

#Maximum Capacitance Change @ 125°C=+15%.

†Maximum Capacitance Change @ 125°C=+20%.

Higher voltage ratings and tighter tolerance product may be substituted within the same size at KEMET's option.

Voltage substitutions will be marked with the higher voltage rating.