

KEMET T49 Series Low Profile SMD Tantalum Capacitors

The Capacitance Company
KEMET
CHARGED.™

RoHS Compliant This product is RoHS compliant.

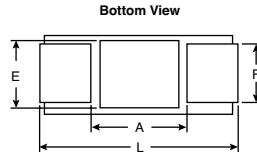
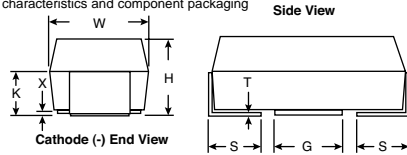
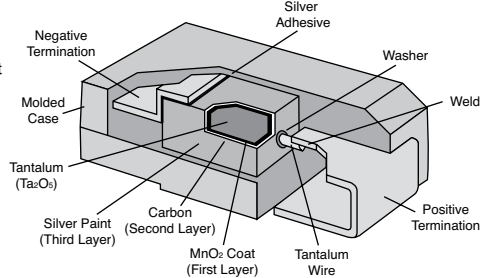
KEMET's family of solid tantalum chip capacitors is designed and manufactured with the demanding requirements of surface mount technology in mind. These devices extend the advantages of solid tantalum technology to today's surface mount circuit applications. Complementing multilayer ceramic chip convenience with capacitance ratings through 1000 µF, tantalum chip capacitors permit circuit designers to take full advantage of the benefits of surface mount technology. T491 series are industrial grade solid chip capacitors. The standard solder-coated terminations provide excellent wetting characteristics and compatibility with today's surface mount solder systems. The symmetrical terminations offer total compliance to provide the thermal and mechanical stress relief required in today's technology. Lead frame attachments to the tantalum pellet are made via a microprocessor-controlled welding operation, and a high temperature silver epoxy adhesive system. Standard packaging of these devices is tape and reel in accordance with EIA 481-1. This system provides perfect compatibility with all tape-fed placement units.

Features:

- Meets or exceeds EIA Standard 535BAAC
- Taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold Plated Terminations
- Laser-marked Case
- Refer to KEMET F3102 for performance characteristics and component packaging
- Capacitance: 1.0µF to 330µF
- Tolerance: ±10%, ±20%
- Voltage: 4-50 VDC
- Halogen Free Epoxy
- 100% Surge Current test on U, V case sizes



RoHS Compliant



Case Size		Component - Dimensions: mm (in.)										
KEMET	EIA	L	W	H Max.	K Min.	F ±0.1	S ±0.3	X (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
R	2012-12	2.0±0.2 (.079±.008)	1.3±0.2 (.015±.008)	1.2 (.047)	0.3 (.012)	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±.008)	1.6±0.2 (.063±.008)	1.2 (.047)	0.3 (.012)	1.2 (.047)	0.8 (.031)	0.05 (.002)	0.13 (.005)	0.8 (.031)	1.1 (.043)	1.3 (.051)
T	3528-12	3.5±0.2 (.138±.008)	2.8±0.2 (.110±.008)	1.2 (.047)	0.3 (.012)	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±.012)	3.2±0.3 (.126±.012)	1.5 (.059)	0.5 (.020)	2.2 (.087)	1.3 (.051)	0.05 (.002)	0.13 (.005)	2.5 (.098)	2.8 (.110)	2.4 (.094)
V	7343-20	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.0 (.079)	0.9 (.035)	2.4 (.094)	1.3 (.051)	0.05 (.002)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

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CHARGED.™ **T491 SERIES**

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
4 Volt Rating at +85°C (2.7 Volt Rating at +125°C)									
80-T491S106K004	T491S106K004AT	10	S	10%				2500	
80-T491T156K004	T491T156K004AT	15	T	10%				2500	
80-T491T336K004	T491T336K004AT	33	T	20%				2500	
80-T491U476K004	T491U476K004AT	47	U	10%				1000	
80-T491V157K004	T491V157K004AT	150	V	10%				1000	
80-T491V227K004	T491V227K004AT	220	V	10%				1000	
80-T491V337M004	T491V337M004AT	330	V	20%				1000	
6 Volt Rating at +85°C (4 Volt Rating at +125°C)									
80-T491S475K006	T491S475K006AT	4.7	S	10%				2500	
80-T491T106K006	T491T106K006AT	10	T	10%				2500	
80-T491U226K006	T491U226K006AT	22	U	10%				1000	
80-T491T336K006	T491T336K006AT	33	T	20%				2500	
80-T491U476K006	T491U476K006AT	47	U	20%				1000	
80-T491V107K006	T491V107K006AT	100	V	10%				1000	
10 Volt Rating at +85°C (7 Volt Rating at +125°C)									
80-T491S475K010	T491S475K010AT	4.7	S	10%				2500	
80-T491T685K010	T491T685K010AT	6.8	T	10%				2500	
80-T491T106K010	T491T106K010AT	10	T	10%				2500	
80-T491U336K010	T491U336K010AT	33	U	10%				1000	
80-T491V476K010	T491V476K010AT	47	V	10%				1000	
80-T491V686K010	T491V686K010AT	68	V	10%				1000	
80-T491V107K010	T491V107K010AT	100	V	10%				1000	
16 Volt Rating at +85°C (10 Volt Rating at +125°C)									
80-T491S225K016	T491S225K016AT	2.2	S	10%				2500	
80-T491T475K016	T491T475K016AT	4.7	T	10%				2500	
80-T491U106K016	T491U106K016AT	10	U	10%				1000	
80-T491U106M016	T491U106M016AT	10	U	20%				1000	
80-T491T106M016	T491T106M016AT	10	T	20%				2500	
80-T491U226K016	T491U226K016AT	22	U	10%				1000	
80-T491V476K016	T491V476K016AT	47	V	10%				1000	
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T491U106K020	T491U106K020AT	10	U	10%				1000	
80-T491V226K020	T491V226K020AT	22	V	10%				1000	
80-T491V226M020	T491V226M020AT	22	V	20%				1000	
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T491V226K025	T491V226K025AT	22	V	10%				1000	
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T491V106K035	T491V106K035AT	10	V	10%				1000	
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T491V105M050	T491V105M050AT	1.0	V	20%				1000	

The Capacitance Company
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CHARGED.™ **T494 SERIES, LOW PROFILE (CONT.)**

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
6 Volt Rating at (4 Volt Rating at +125°C)									
80-T494S685K006	T494S685K006AT	6.8	S	10%				2500	
80-T494T106K006	T494T106K006AT	10	T	10%				2500	
80-T494T156K006	T494T156K006AT	15	T	10%				2500	
80-T494U226K006	T494U226K006AT	22	U	10%				1000	
80-T494U336K006	T494U336K006AT	33	U	10%				1000	
80-T494U476K006	T494U476K006AT	47	U	10%				1000	
80-T494V107K006	T494V107K006AT	100	V	10%				1000	
80-T494V227M006	T494V227M006AT	220	V	20%				1000	
10 Volt Rating at (7 Volt Rating at +125°C)									
80-T494S335K010	T494S335K010AT	3.3	S	10%				2500	
80-T494T685K010	T494T685K010AT	6.8	T	10%				2500	
80-T494T106K010	T494T106K010AT	10	T	10%				2500	
80-T494U226K010	T494U226K010AT	22	U	10%				1000	
80-T494V336K010	T494V336K010AT	33	V	10%				1000	
80-T494V476K010	T494V476K010AT	47	V	10%				1000	
80-T494V686K010	T494V686K010AT	68	V	10%				1000	
80-T494V107K010	T494V107K010AT	100	V	10%				1000	
16 Volt Rating at (10 Volt Rating at +125°C)									
80-T494T475K016	T494T475K016AT	4.7	T	10%				1000	
80-T494U106K016	T494U106K016AT	10	U	10%				1000	
80-T494V476K016	T494V476K016AT	47	V	10%				1000	
80-T494V107K016	T494V107K016AT	100	V	10%				1000	
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T494R105M020	T494R105M020AT	1.0	R	20%				2500	
80-T494U685K020	T494U685K020AT	6.8	U	10%				1000	
80-T494U106K020	T494U106K020AT	10	U	10%				1000	
80-T494V336M020	T494V336M020AT	33	V	20%				1000	
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T494V226K025	T494V226K025AT	22	V	10%				1000	
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T494V106K035	T494V106K035AT	10	V	10%				1000	
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T494V105M050	T494V105M050AT	1.0	V	20%				1000	

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CHARGED.™ **T494 SERIES, LOW PROFILE**

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
4 Volt (2.7 Volt Rating at +125°C)									
80-T494S106K004	T494S106K004AT	10	S	10%				2500	
80-T494T156K004	T494T156K004AT	15	T	10%				2500	
80-T494U226K004	T494U226K004AT	22	U	10%				2500	
80-T494U336K004	T494U336K004AT	33	U	10%				1000	
80-T494U476K004	T494U476K004AT	47	U	10%				1000	
80-T494V157K004	T494V157K004AT	150	V	10%				1000	

The Capacitance Company
KEMET
CHARGED.™ **T495 SERIES, LOW PROFILE SMD, LOW ESR, INDUSTRIAL GRADE**

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
6 Volt Rating at +85°C (4 Volt Rating at +125°C)									
80-T495V107K006	T495V107K006AT	100	V	10%				1000	
10 Volt Rating at +85°C (7 Volt Rating at +125°C)									
80-T495V686K010	T495V686K010AT	68	V	10%				1000	
80-T495V107K010	T495V107K010AT	100	V	10%				1000	
80-T495V157M010	T495V157M010AT	150	V	20%				1000	
16 Volt Rating at +85°C (10 Volt Rating at +125°C)									
80-T495V686K016	T495V686K016AT	68	V	10%				1000	