

# KEMET High Temperature Tantalum Chip Capacitors



## T499 SERIES HIGH TEMPERATURE (175°C) TANTALUM CHIP CAPACITORS

- 175°C Max. Temperature Capability
- Derating: 0.5Vr @ 175°C
- Self-healing mechanism

- Various termination options
- 100% Accelerated steady state aging
- 100% Surge current testing
- EIA standard case size
- Pb-free/RoHS Compliant

This product is RoHS compliant.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Val. $\mu$ F	Case Code	ESR $\Omega$ @+25°C 100kHz	Tol. $\pm$	Price Each			7 Inch Reel Qty.	Price Per Piece
						1	100	500		
<b>6.3 Volt Rating at +85°C (3 Volt Rating at +175°C)</b>										
80-T499B106K6TE3K5	T499B106K006ATE3K5	10	B	3.5	10%	.65	.56	.27	2000	.254
80-T499B226K6TE3K5	T499B226K006ATE3K5	22	B	3.5	10%	.72	.62	.30	2000	.282
80-T499B336K6TE3K0	T499B336K006ATE3K0	33	B	3	10%	1.08	.93	.45	2000	.423
80-T499C476K6TE1K8	T499C476K006ATE1K8	47	C	1.8	10%	1.37	1.18	.574	500	.574
80-T499C686K6TE1K2	T499C686K006ATE1K2	68	C	1.2	10%	1.71	1.48	.719	500	.719
80-T499D686K6TE800	T499D686K006ATE800	68	D	0.8	10%	1.95	1.68	.816	500	.816
80-T499D107K6TE800	T499D107K006ATE800	100	D	0.8	10%	1.95	1.68	.816	500	.816
<b>10 Volt Rating at +85°C (5 Volt Rating at +175°C)</b>										
80-T499A225K10TE8K0	T499A225K010ATE8K0	2.2	A	8	10%	.48	.42	.20	2000	.189
80-T499A335K10TE6K0	T499A335K010ATE6K0	3.3	A	6	10%	.48	.42	.20	2000	.189
80-T499A475K10TE6K0	T499A475K010ATE6K0	4.7	A	6	10%	.48	.42	.20	2000	.189
80-T499B475K10TE3K5	T499B475K010ATE3K5	4.7	B	3.5	10%	.65	.56	.27	2000	.254
80-T499B106K10TE3K5	T499B106K010ATE3K5	10	B	3.5	10%	.65	.56	.27	2000	.254
80-T499B226K10TE3K0	T499B226K010ATE3K0	22	B	3	10%	1.08	.93	.45	2000	.423
80-T499D476K10TE800	T499D476K010ATE800	47	D	0.8	10%	1.95	1.68	.816	500	.816
80-T499D107K10TE700	T499D107K010ATE700	100	D	0.7	10%	2.38	2.05	.997	500	.997
80-T499X227K10TE500	T499X227K010ATE500	220	X	0.5	10%	7.10	6.13	2.97	500	2.97
<b>16 Volt Rating at +85°C (8 Volt Rating at +175°C)</b>										
80-T499A105K16TE10K	T499A105K016ATE10K	1.0	A	10	10%	.48	.42	.20	2000	.189
80-T499A225K16TE6K0	T499A225K016ATE6K0	2.2	A	6	10%	.48	.42	.20	2000	.189
80-T499B475K16TE6K0	T499B475K016ATE6K0	4.7	B	6	10%	.65	.56	.27	2000	.254
80-T499B106K16TE3K5	T499B106K016ATE3K5	10	B	3.5	10%	.72	.62	.30	2000	.282
80-T499D476K16TE800	T499D476K016ATE800	47	D	0.8	10%	1.95	1.68	.816	500	.816
<b>25 Volt Rating at +85°C (10 Volt Rating at +175°C)</b>										
80-T499A105K20TE10K	T499A105K020ATE10K	1.0	A	10	10%	.48	.42	.20	2000	.189
80-T499B225K20TE3K5	T499B225K020ATE3K5	2.2	B	3.5	10%	.65	.56	.27	2000	.254
80-T499B335K20TE3K5	T499B335K020ATE3K5	3.3	B	3.5	10%	.65	.56	.27	2000	.254
80-T499B475K20TE3K5	T499B475K020ATE3K5	4.7	B	3.5	10%	.65	.56	.27	2000	.254
80-T499C106K20TE1K8	T499C106K020ATE1K8	10	C	1.8	10%	1.27	1.09	.529	500	.529
80-T499D226K20TE800	T499D226K020ATE800	22	D	0.8	10%	1.95	1.68	.816	500	.816
<b>25 Volt Rating at +85°C (12.5 Volt Rating at +175°C)</b>										
80-T499A474K25TE14K	T499A474K025ATE14K	0.47	A	14	10%	.48	.42	.20	2000	.189
80-T499A105K25TE8K0	T499A105K025ATE8K0	1.0	A	8	10%	.52	.45	.22	2000	.206
80-T499B225K25TE4K5	T499B225K025ATE4K5	2.2	B	4.5	10%	.72	.62	.30	2000	.282
80-T499C106K25TE1K5	T499C106K025ATE1K5	10	C	1.5	10%	1.58	.95	.574	500	.574
80-T499D226K25TE800	T499D226K025ATE800	22	D	0.8	10%	1.95	1.68	.816	500	.816
80-T499D336K25TE700	T499D336K025ATE700	33	D	0.7	10%	5.74	4.95	2.40	500	2.40
<b>35 Volt Rating at +85°C (17.5 Volt Rating at +175°C)</b>										
80-T499A334K35TE15K	T499A334K035ATE15K	0.33	A	15	10%	.48	.42	.20	2000	.189
80-T499A105K35TE10K	T499A105K035ATE10K	1.0	A	10	10%	.59	.51	.35	2000	.23
80-T499B105K35TE5K0	T499B105K035ATE5K0	1.0	B	5	10%	.65	.56	.27	2000	.254
80-T499C335K35TE2K5	T499C335K035ATE2K5	3.3	C	2.5	10%	1.27	1.09	.529	500	.529
80-T499C475K35TE2K5	T499C475K035ATE2K5	4.7	C	2.5	10%	1.37	1.18	.574	500	.574
80-T499D106K35TE1K0	T499D106K035ATE1K0	10	D	1	10%	1.95	1.68	.816	500	.816
80-T499X226K35TE700	T499X226K035ATE700	22	X	0.7	10%	5.74	4.95	2.40	500	2.40
80-T499X336K35TE600	T499X336K035ATE600	33	X	0.6	10%	7.10	6.13	2.97	500	2.97
<b>50 Volt Rating at +85°C (25 Volt Rating at +175°C)</b>										
80-T499D335K50TE2K0	T499D335K050ATE2K0	3.3	D	2	10%	3.17	2.74	1.32	500	1.32
80-T499D106K50TE1K0	T499D106K050ATE1K0	10	D	1	10%	3.97	3.42	1.66	500	1.66

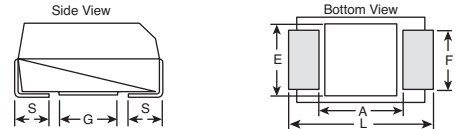
## TANTALUM ENGINEERING KIT - 09 T498, T499 HIGH TEMPERATURE



KEMET Part Number	Value ( $\mu$ F)	Voltage	ESR (m $\Omega$ )
T498A475K010ATE2K9	4.7	10	2.9
T498C226K016ATE1K0	22.0	16	1.0
T499B106K016ATE3K5	10.0	16	3.5
T499B475K020ATE3K5	4.7	20	3.5
T499A105K025ATE8K0	1.0	25	8.0
T499D156K025ATE1K0	15.0	25	1.0
T499B105K035ATE5K0	1.0	35	5.0
T499D106K035ATE1K0	10.0	35	1.0
T499X226K035ATE700	22.0	35	0.7
T499D106K050ATE1K0	10.0	50	1.0

MOUSER STOCK NO.	Quantity Per Value	Price Each
80-TAN09HIGHTEMP	10 Pieces of each 10 values	50.00

KEMET Tantalum Caps, SMD



## T498 SERIES HIGH TEMPERATURE (150°C) TANTALUM CHIP CAPACITORS

- 150°C Max. Temperature Capability
- Temperature/Voltage derating: 2/3 @ 150°C
- Self-healing mechanism
- Reliability: 0.5%/1000Hrs. @ Rated Voltage/Temp.

- 100% Accelerated steady state aging
- 100% Surge current testing
- RoHS Compliant

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Val. $\mu$ F	Case Code	ESR $\Omega$ @+25°C 100kHz	Tol. $\pm$	Price Each			7 Inch Reel Qty.	Price Per Piece
						1	10	100		
<b>10 Volt Rating at +85°C (7 Volt Rating at +150°C)</b>										
80-T498B156K10TE1K5	T498B156K010ATE1K5	15	B	1.5	10%	.53	.47	.43	2000	.23
80-T498B226K10TE1K5	T498B226K010ATE1K5	22	B	2.2	10%	.80	.70	.65	2000	.339
80-T498D107K10TE600	T498D107K010ATE600	100	D	10.0	10%	1.76	1.54	1.43	500	.799
80-T498X227K10TE500	T498X227K010ATE500	220	X	22.0	10%	5.23	4.58	4.25	500	2.38
<b>16 Volt Rating at +85°C (11 Volt Rating at +150°C)</b>										
80-T498A105K16TE6K5	T498A105K016ATE6K5	1.0	A	0.5	10%	.36	.31	.29	2000	.16
80-T498A335K16TE3K4	T498A335K016ATE3K4	3.3	A	0.5	10%	.36	.31	.29	2000	.16
80-T498B475K16TE2K1	T498B475K016ATE2K1	4.7	B	0.8	10%	.48	.42	.39	2000	.21
80-T498A685K16TE2K6	T498A685K016ATE2K6	6.8	A	1.1	10%	.44	.38	.35	2000	.185
80-T498B685K16TE1K8	T498B685K016ATE1K8	6.8	B	1.1	10%	.48	.42	.39	2000	.21
80-T498D106K16TE2K8	T498D106K016ATE2K8	10	D	1.6	10%	.53	.47	.43	2000	.226
80-T498D476K16TE600	T498D476K016ATE600	47	D	7.5	10%	1.04	.91	.85	500	.65
<b>25 Volt Rating at +85°C (17 Volt Rating at +150°C)</b>										
80-T498A474K25TE8K5	T498A474K025ATE8K5	0.47	A	0.5	10%	.36	.31	.29	2000	.16
80-T498B225K25TE3K0	T498B225K025ATE3K0	2.2	B	0.6	10%	.53	.47	.43	2000	.226
80-T498C106K25TE1K1	T498C106K025ATE1K1	10	C	2.5	10%	1.01	.88	.82	500	.46
80-T498D156K25TE700	T498D156K025ATE700	15	D	3.8	10%	1.04	.91	.85	500	.65
80-T498D226K25TE600	T498D226K025ATE600	22	D	5.5	10%	1.44	1.26	1.17	500	.90
80-T498D336K25TE600	T498D336K025ATE600	33	D	8.3	10%	4.23	3.70	3.44	500	1.92
<b>35 Volt Rating at +85°C (24 Volt Rating at +150°C)</b>										
80-T498A105K35TE10K	T498A105K035ATE10K	1.0	A	0.5	10%	.44	.38	.35	2000	.185
80-T498D106K35TE700	T498D106K035ATE700	10	D	3.5	10%	1.04	.91	.85	500	.65
80-T498X226K35TE500	T498X226K035ATE500	22	X	7.7	10%	4.23	3.70	3.44	500	2.64
80-T498X336K35TE500	T498X336K035ATE500	33	X	11.6	10%	5.23	4.58	4.25	500	2.38
<b>50 Volt Rating at +85°C (34 Volt Rating at +150°C)</b>										
80-T498D106K50TE1K0	T498D106K050ATE1K0	10	D	5.0	10%	2.93	2.56	2.38	500	1.33



Case Size		T498 & T499 Components								
KEMET	EIA	L	W	H	K $\pm$ 0.20 (.008)	F $\pm$ 0.1 (.004)	S $\pm$ 0.3 (.012)	A (Min)	G (Ref)	E (Ref)
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)	0.9 (.035)	0.7 (.027)	0.8 (.031)	1.4 (.031)	1.1 (.043)	1.3 (.051)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)	1.1 (.043)	2.2 (.087)	0.8 (.031)	2.1 (.043)	1.8 (.071)	2.2 (.087)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	3.1 (.098)	2.8 (.110)	2.4 (.094)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)