



## Design a KEMET Tantalum Chip into Your Next Project . . . .



KEMET is offering six Tantalum Chip Engineering Kits to meet your diverse design needs for the future. KEMET's line of Engineering Kits for Tantalum Chips will include a T495, T510 Low ESR Kit, an Extended Range T491 Kit, a Standard T491 Kit, a T494 Low-profile, Low-ESR Kit, T520, T530, A700 Polymer Kit and a High Temperature T498, T499 Kit.

Our current tantalum engineering kit offering includes the following categories:

- TAN ENG KIT 04 - T495, T510 Low ESR, Surge Robust
- TAN ENG KIT 05 - T491 Extended Range
- TAN ENG KIT 06 - T491 Standard
- TAN ENG KIT 07 - T494 Low Profile, Low ESR
- TAN ENG KIT 08 - T520, T530, A700 - Low ESR Polymer
- New** TAN ENG KIT 09 - T498, T499 High Temperature

Each Tantalum Engineering Kit contains Tantalum Surface Mount parts: 10 or 20 pieces for each part number in a strip of carrier tape clearly labeled with the KEMET part number. Also included with the Engineering Kit will be a Surface Mount catalog with outline drawings, dimensions, marking format, recommended mounting pad dimensions, and ordering information.

Experience the quality and performance of KEMET surface mount capacitors. Order one of KEMET's Tantalum Chip Kits and see how our finest surface mount devices handle your most challenging application now and in the future. All Engineering Kits are available through KEMET and your local distributor. A complete listing of all part numbers for each kit is available on the back of this page.

F3217F 12/06

**Kit Part Number: TAN ENG KIT 04 - T495, T510**  
(Low ESR, Surge Robust) 10 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.	ESR m $\Omega$
	KEMET	EIA				
T495C107M006ATE150	C	6032-28	100.0	6	$\pm$ 20%	150
T495D227M010ATE100	D	7343-31	220.0	10	$\pm$ 20%	100
T495V686M016ATE300	V	7343-20	68.0	16	$\pm$ 20%	300
T495D107M016ATE100	D	7343-31	100.0	16	$\pm$ 20%	100
T495X476M020ATE100	X	7343-43	47.0	20	$\pm$ 20%	100
T495D226M025ATE200	D	7343-31	22.0	25	$\pm$ 20%	200
T495X336M035ATE175	X	7343-43	33.0	35	$\pm$ 20%	175
T495X475M050ATE300	X	7343-43	4.7	50	$\pm$ 20%	300
T510E687M006ATE023	E	7360-38	680.0	6	$\pm$ 20%	23
T510X687M004ATE030	X	7343-43	680.0	4	$\pm$ 20%	30

**Kit Part Number: TAN ENG KIT 06 - T491**  
(Standard) 20 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.
	KEMET	EIA			
T491A106K006AT	A	3216-18	10.0	6	$\pm$ 10%
T491B476K006AT	B	3528-21	47.0	6	$\pm$ 10%
T491C107K006AT	C	6032-28	100.0	6	$\pm$ 10%
T491U107K006AT	U	6032-15	100.0	6	$\pm$ 10%
T491A475K010AT	A	3216-18	4.7	10	$\pm$ 10%
T491A106K010AT	A	3216-18	10.0	10	$\pm$ 10%
T491C476K010AT	C	6032-28	47.0	10	$\pm$ 10%
T491D107K010AT	D	7343-31	100.0	10	$\pm$ 10%
T491A105K016AT	A	3216-18	1.0	16	$\pm$ 10%
T491A225K016AT	A	3216-18	2.2	16	$\pm$ 10%
T491B106K016AT	B	3528-21	10.0	16	$\pm$ 10%
T491X157K016AT	X	7343-43	150.0	16	$\pm$ 10%
T491B225K020AT	B	3528-21	2.2	20	$\pm$ 10%
T491D336K020AT	D	7343-31	33.0	20	$\pm$ 10%
T491A474K025AT	A	3216-18	0.47	25	$\pm$ 10%
T491C106K025AT	C	6032-28	10.0	25	$\pm$ 10%
T491D336K025AT	D	7343-31	33.0	25	$\pm$ 10%
T491B105K035AT	B	3528-21	1.0	35	$\pm$ 10%
T491D156K035AT	D	7343-31	15.0	35	$\pm$ 10%
T491D335K050AT	D	7343-31	3.3	50	$\pm$ 10%

**Kit Part Number: POLYMER ENG KIT 08 - T520, T530, A700**  
(Low ESR Polymer) 10 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.	ESR m $\Omega$
	KEMET	EIA				
T520A226M006ATE100	A	3216-18	220.0	6	$\pm$ 20%	100
T520B336M006ATE070	B	3528-21	33.0	6	$\pm$ 20%	70
T520D337M006ATE040	D	7343-31	330.0	6	$\pm$ 20%	40
T520B686M004ATE070	B	3528-21	68.0	4	$\pm$ 20%	70
T520D337M2R5ATE007	D	7343-31	330.0	2.5	$\pm$ 20%	7
T520T476M006ATE070	T	3528-12	47.0	6	$\pm$ 20%	70
T520V157M006ATE015	V	7343-20	150.0	6	$\pm$ 20%	15
T520V227M004ATE007	V	7343-20	220.0	4	$\pm$ 20%	7
T520W476M016ATE045	W	7343-15	47.0	16	$\pm$ 20%	45
T520X337M010ATE025	X	7343-43	330.0	10	$\pm$ 20%	25
T520Y687M004ATE015	Y	7343-40	680.0	4	$\pm$ 20%	15
T530X158M2R5ATE005	X	7343-43	1500.0	2.5	$\pm$ 20%	5
T530Y687M004ATE005	Y	7343-40	680.0	4	$\pm$ 20%	5
A700D107M006ATE015	D	7343-31	100.0	6	$\pm$ 20%	15
A700X157M006ATE010	X	7343-43	150.0	6	$\pm$ 20%	10
A700V476M006ATE025	V	7343-20	47.0	6	$\pm$ 20%	25

**Kit Part Number: TAN ENG KIT 05 - T491**  
(Extended Range) 20 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.
	KEMET	EIA			
T491B107K006AT	B	3528-21	100.0	6	$\pm$ 10%
T491D477K006AT	D	7343-31	470.0	6	$\pm$ 10%
T491A156K010AT	A	3216-18	15.0	10	$\pm$ 10%
T491B686M010AT	B	3528-21	68.0	10	$\pm$ 20%
T491C157K010AT	C	6032-28	150.0	10	$\pm$ 10%
T491D337K010AT	D	7343-31	330.0	10	$\pm$ 10%
T491T106M016AT	T	3528-12	10.0	16	$\pm$ 20%
T491C476K016AT	C	6032-28	47.0	16	$\pm$ 10%
T491D107K016AT	D	7343-31	100.0	16	$\pm$ 10%
T491A475K020AT	A	3216-18	4.7	20	$\pm$ 10%
T491B106K020AT	B	3528-21	10.0	20	$\pm$ 10%
T491D686K020AT	D	7343-31	68.0	20	$\pm$ 10%
T491D476K025AT	D	7343-31	47.0	25	$\pm$ 10%
T491A105K035AT	A	3216-18	1.0	35	$\pm$ 10%
T491C106K035AT	C	6032-28	10.0	35	$\pm$ 10%
T491X476K035AT	X	7343-43	47.0	35	$\pm$ 10%
T491D475K050AT	D	7343-31	4.7	50	$\pm$ 10%

**Kit Part Number: TAN ENG KIT 07 - T494**  
(Low Profile, Low ESR) 20 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.
	KEMET	EIA			
T494U476K004AT	U	6032-15	47.0	4	$\pm$ 10%
T494V227K004AT	V	7343-20	220.0	4	$\pm$ 10%
T494S475K006AT	S	3216-12	4.7	6	$\pm$ 10%
T494S106M006AT	S	3216-12	10.0	6	$\pm$ 20%
T494V107K006AT	V	7343-20	100.0	6	$\pm$ 10%
T494T106K010AT	T	3528-12	10.0	10	$\pm$ 10%
T494T156M010AT	T	3528-12	15.0	10	$\pm$ 20%
T494U476K010AT	U	6032-15	47.0	10	$\pm$ 10%
T494V227K010AT	V	7343-20	220.0	10	$\pm$ 10%
T494R225M016AT	R	2012-12	2.2	16	$\pm$ 20%
T494U156K016AT	U	6032-15	15.0	16	$\pm$ 10%
T494V107K016AT	V	7343-20	100.0	16	$\pm$ 10%
T494S155K020AT	S	3216-12	1.5	20	$\pm$ 10%
T494T335K020AT	T	3528-12	3.3	20	$\pm$ 10%
T494U106K020AT	U	6032-15	10.0	20	$\pm$ 10%
T494V336M020AT	V	7343-20	33.0	20	$\pm$ 20%
T494V226K025AT	V	7343-20	22.0	25	$\pm$ 10%
T494V106K035AT	V	7343-20	10.0	35	$\pm$ 10%

**Kit Part Number: TAN ENG KIT 09 - T498, T499**  
(High Temperature) 10 pcs.

KEMET Part Number	Size Code		Capacitance $\mu$ F	Voltage	Cap. Tol.	ESR $\Omega$
	KEMET	EIA				
T498A475K010ATE2K9	A	3216-18	4.7	10	$\pm$ 10%	2.9
T498C226K016ATE1K0	C	6032-28	22.0	16	$\pm$ 10%	1.0
T499B106K016ATE3K5	B	3528-21	10.0	16	$\pm$ 10%	3.5
T499B475K020ATE3K5	B	3528-21	4.7	20	$\pm$ 10%	3.5
T499A105K025ATE8K0	A	3216-18	1.0	25	$\pm$ 10%	8.0
T499D156K025ATE1K0	D	7343-31	15.0	25	$\pm$ 10%	1.0
T499B105K035ATE5K0	B	3528-21	1.0	35	$\pm$ 10%	5.0
T499D106K035ATE1K0	D	7343-31	10.0	35	$\pm$ 10%	1.0
T499X226K035ATE700	X	7343-43	22.0	35	$\pm$ 10%	0.7
T499D106K050ATE1K0	D	7343-31	10.0	50	$\pm$ 10%	1.0

Notice: KEMET reserves the right to make changes or substitutions to the Engineering Kits at any time without notice.