

KEMET Solid Tantalum Chip Capacitors



RoHS Compliant This product is RoHS compliant.

496 SERIES, LOW ESR, FAIL-SAFE FUSED

- 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
- Patented fuse assembly
- 100% Surge Current test on C, D, X sizes
- Continuous current capability: 0.75 amps
- Case geometry and footprints equivalent to Industrial Grade T491 Series. (Case sizes B, C, D and X only)

- Fuse actuation, 25°C: within 1 second at fault currents of 4 amps and higher.
- Post-actuation resistance, 25°C: 10MΩ minimum
- Test tabs on the sides of the case bypass the capacitor element to allow direct testing of the fuse assembly



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For quantities of 500 and up, call for quote.

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MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)								
80-T496X337K004	T496X337K004ATE700	330	X	10%			500	
80-T496X337M004	T496X337M004ATE700	330	X	20%			500	
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T496B106K006	T496B106K006ATE3K5	10	B	10%			2000	
80-T496D107M006	T496D107M006ATE800	100	D	20%			500	
80-T496X107K006	T496X107K006ATE900	100	X	10%			500	
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T496B475M010	T496B475M010ATE3K5	4.7	B	20%			2000	
80-T496C226K010	T496C226K010ATE2K0	22	C	10%			500	
80-T496C226M010	T496C226M010ATE2K0	22	C	20%			500	
80-T496D476K010	T496D476K010ATE1K0	47	D	10%			500	
80-T496D476M010	T496D476M010ATE1K0	47	D	20%			500	
80-T496X686K010	T496X686K010ATE900	68	X	10%			500	
80-T496X686M010	T496X686M010ATE900	68	X	20%			500	
80-T496D107K010	T496D107K010ATE700	100	D	10%			500	
80-T496D107M010	T496D107M010ATE700	100	D	20%			500	
80-T496X227K010	T496X227K010ATE500	220	X	10%			500	
80-T496X227M010	T496X227M010ATE500	220	X	20%			500	
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T496B225K016	T496B225K016ATE3K5	2.2	B	10%			2000	
80-T496B225M016	T496B225M016ATE3K5	2.2	B	20%			2000	
80-T496B475K016	T496B475K016ATE3K5	4.7	B	10%			2000	
80-T496B475M016	T496B475M016ATE3K5	4.7	B	20%			2000	
80-T496B106K016	T496B106K016ATE3K5	10	B	10%			2000	
80-T496B106M016	T496B106M016ATE3K5	10	B	20%			2000	
80-T496C106K016	T496C106K016ATE2K0	10	C	10%			500	
80-T496C106M016	T496C106M016ATE2K0	10	C	20%			500	
80-T496C156K016	T496C156K016ATE2K0	15	C	10%			500	
80-T496C156M016	T496C156M016ATE2K0	15	C	20%			500	
80-T496C226K016	T496C226K016ATE1K0	22	C	10%			500	
80-T496C226M016	T496C226M016ATE1K0	22	C	20%			500	
80-T496D336K016	T496D336K016ATE1K0	33	D	10%			500	
80-T496D336M016	T496D336M016ATE1K0	33	D	20%			500	
80-T496D476K016	T496D476K016ATE800	47	D	10%			500	
80-T496D476M016	T496D476M016ATE800	47	D	20%			500	
80-T496X476K016	T496X476K016ATE900	47	X	10%			500	
80-T496X476M016	T496X476M016ATE900	47	X	20%			500	
80-T496X107K016	T496X107K016ATE700	100	X	10%			500	
80-T496X107M016	T496X107M016ATE700	100	X	20%			500	

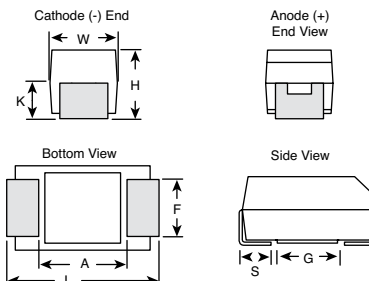
MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T496B225K020	T496B225K020ATE3K5	2.2	B	10%			2000	
80-T496B225M020	T496B225M020ATE3K5	2.2	B	20%			2000	
80-T496C685K020	T496C685K020ATE2K0	6.8	C	10%			500	
80-T496C685M020	T496C685M020ATE2K0	6.8	C	20%			500	
80-T496C106K020	T496C106K020ATE2K0	10	C	10%			500	
80-T496C106M020	T496C106M020ATE2K0	10	C	20%			500	
80-T496D226K020	T496D226K020ATE1K0	22	D	10%			500	
80-T496D226M020	T496D226M020ATE1K0	22	D	20%			500	
80-T496X336K020	T496X336K020ATE900	33	X	10%			500	
80-T496X336M020	T496X336M020ATE900	33	X	20%			500	
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T496C475K025	T496C475K025ATE2K5	4.7	C	10%			500	
80-T496C475M025	T496C475M025ATE2K5	4.7	C	20%			500	
80-T496D106K025	T496D106K025ATE1K2	10	D	10%			500	
80-T496D106M025	T496D106M025ATE1K2	10	D	20%			500	
80-T496D226K025	T496D226K025ATE800	22	D	10%			500	
80-T496D226M025	T496D226M025ATE800	22	D	20%			500	
80-T496X226K025	T496X226K025ATE900	22	X	10%			500	
80-T496X226M025	T496X226M025ATE900	22	X	20%			500	
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T496B105K035	T496B105K035ATE5K0	1.0	B	10%			2000	
80-T496B105M035	T496B105M035ATE5K0	1.0	B	20%			2000	
80-T496C225K035	T496C225K035ATE3K5	2.2	C	10%			500	
80-T496C225M035	T496C225M035ATE3K5	2.2	C	20%			500	
80-T496D475K035	T496D475K035ATE1K5	4.7	D	10%			500	
80-T496D475M035	T496D475M035ATE1K5	4.7	D	20%			500	
80-T496D685K035	T496D685K035ATE1K5	6.8	D	10%			500	
80-T496D685M035	T496D685M035ATE1K5	6.8	D	20%			500	
80-T496X106K035	T496X106K035ATE1K0	10	X	10%			500	
80-T496X106M035	T496X106M035ATE1K0	10	X	20%			500	
80-T496X156K035	T496X156K035ATE900	15	X	10%			500	
80-T496X156M035	T496X156M035ATE900	15	X	20%			500	
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T496C105K050	T496C105K050ATE5K5	1.0	C	10%			500	
80-T496C105M050	T496C105M050ATE5K5	1.0	C	20%			500	
80-T496X475K050	T496X475K050ATE1K5	4.7	X	10%			500	
80-T496X475M050	T496X475M050ATE1K5	4.7	X	20%			500	

T510 SERIES, ULTRA LOW ESR

- Ultra Low ESR <30mΩ
- New E7260 Case with ESR <18mΩ
- Up to 5A ripple current
- RoHS Compliant & Leadfree Termination (see www.kemet.com for lead transitions)
- Operating Temperature: -55°C to +125°C
- 100% accelerated steady-state aging
- 100% Surge current test
- Precision-molded, laser-marked case
- Symmetrical compliant terminations
- Taped and reeled per EIA 481-1



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Case Size	EIA	DIMENSIONS: mm (in.)							
		L	W	H	K	F	S	A (Min.)	G (Ref.)
X	7343-43	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	4.0±0.3 (.157±.012)	2.3±0.20 (.091±.008)	2.4±0.1 (.094±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)
E	7260-38	7.3±0.3 (.287±.012)	6.0±0.3 (.236±.012)	3.6±0.2 (.142±.008)	2.3±0.20 (.091±.008)	4.1±0.1 (.161±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max.	DC Leakage µA @ 25°C Max.	Tolerance %	Price Each			Price Per 500 Piece Reel
							1	10	100	
4 Volt Rating at +85°C (2.7 Volt Rating at 125°C)										
80-T510X687K004	T510X687K004ATE030	680	X	30	27.2	10%				
80-T510X108K004	T510X108K004ATE018	1000	X	18	40	10%				
80-T510E108K004	T510E108K004ATE018	1000	E	18	40	10%				
80-T510E108M004	T510E108M004ATE018	1000	E	18	40	20%				
6/6.3 Volt Rating at +85°C (4 Volt Rating at 125°C)										
80-T510X477K006	T510X477K006ATE030	470	X	30	28.2	10%				
80-T510X477M006	T510X477M006ATE030	470	X	30	28.2	20%				
80-T510E687K006	T510E687K006ATE023	680	E	23	40.8	10%				
80-T510E687M006	T510E687M006ATE023	680	E	23	40.8	20%				
10 Volt Rating at +85°C (7 Volt Rating at 125°C)										
80-T510X337K010	T510X337K010ATE035	330	X	35	33	10%				
80-T510X337M010	T510X337M010ATE035	330	X	35	33	20%				
16 Volt Rating at +85°C (11 Volt Rating at 125°C)										
80-T510X157K016	T510X157K016ATE040	150	X	40	24	10%				
25 Volt Rating at +85°C (17 Volt Rating at 125°C)										
80-T510E107K025	T510E107K025ATE050	100	E	50	25	10%				
35 Volt Rating at +85°C (23 Volt Rating at 125°C)										
80-T510X226K035	T510X226K035ATE080	22	X	80	7.7	10%				
80-T510E476K035	T510E476K035ATE050	47	E	50	16.5	10%				