



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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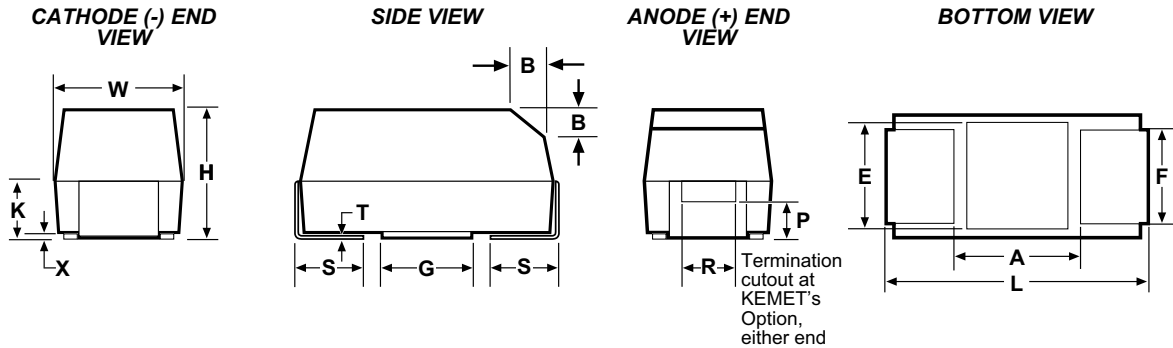
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



### FEATURES

- Ultra Low ESR < 30 mΩ
- New E/7260 Case with ESR < 18 mΩ
- Up to 4 Amps ripple current
- 100% accelerated steady-state aging
- 100% Surge current test
- Precision - molded, laser-marked case
- Symmetrical compliant terminations
- Taped and reeled per EIA 481-1

### OUTLINE DRAWING



### DIMENSIONS - Millimeters (Inches)

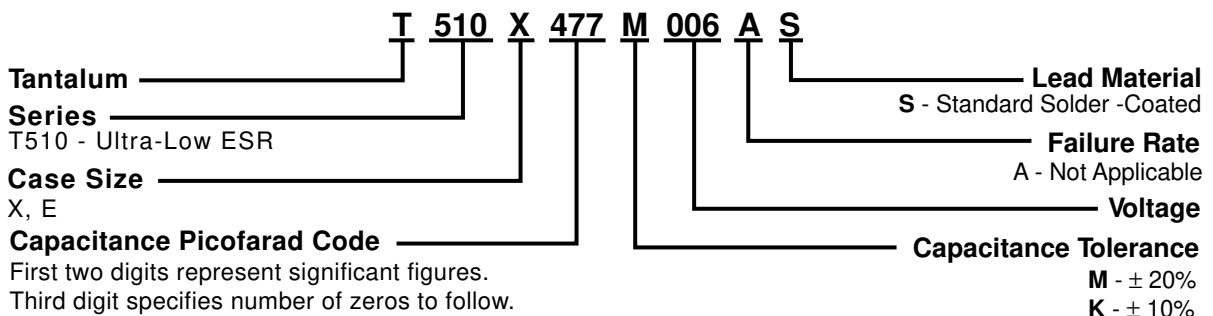
CASE SIZE		COMPONENT													
KEMET	EIA	L	W	H	K $\pm 0.20$ $\pm (.008)$	F $\pm 0.1$ $\pm (.004)$	S $\pm 0.3$ $\pm (.012)$	B $\pm 0.15$ $(\text{Ref}) \pm (.006)$	X $(\text{Ref})$	P $(\text{Ref})$	R $(\text{Ref})$	T $(\text{Ref})$	A $(\text{Min})$	G $(\text{Ref})$	E $(\text{Ref})$
X	7343-43	7.3 $\pm 0.3$ (.287 $\pm .012$ )	4.3 $\pm 0.3$ (.169 $\pm .012$ )	4.0 $\pm 0.3$ (.157 $\pm .012$ )	2.3 (.091)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 $\pm 0.10$ (.004 $\pm .004$ )	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
E	7260-38	7.3 $\pm 0.3$ (.287 $\pm .012$ )	6.0 $\pm 0.3$ (.236 $\pm .012$ )	3.6 $\pm 0.2$ (.142 $\pm .008$ )	2.3 (.091)	4.1 (.161)	1.3 (.051)	0.5 (.020)	0.10 $\pm 0.10$ (.004 $\pm .004$ )	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

Notes: Metric Dimensions govern  
(Ref) - Dimensions provided for reference only.

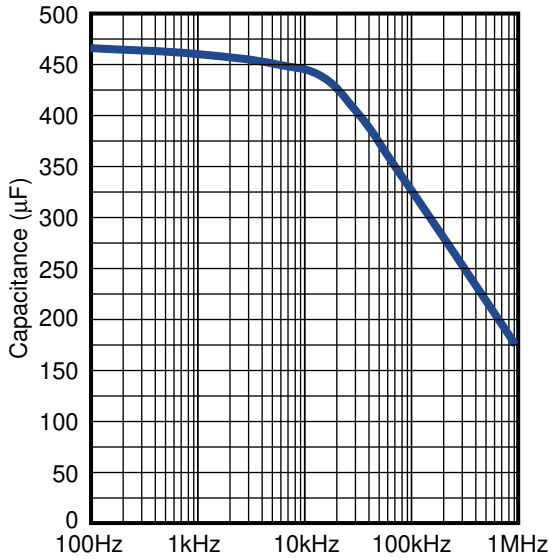
### T510 RATINGS & PART NUMBER REFERENCE

Capacitance $\mu\text{F}$	Case Size	KEMET Part Number	DC Leakage $\mu\text{A}$ @ 25°C Max	DF % @ 25°C Max	ESR m $\Omega$ @ 25°C 100 kHz Max	Ripple Current A rms @ 25°C 100 kHz, max		
						25°C	85°C	125°C
<b>4 Volt Rating at +85°C (2.7 Volt Rating at 125°C)</b>								
680.0	X	T510X687(1)004AS	27.2	6.0	30.0	3.0	2.7	1.2
1000.0	E	T510E108(1)004AS	40.0	6.0	18.0	4.0	3.6	1.6
1000.0	E	T510E108(1)004AS4115	40.0	6.0	10.0	5.3	4.8	2.1
<b>6/6.3 Volt Rating at +85°C (4 Volt Rating at 125°C)</b>								
470.0	X	T510X477(1)006AS	28.2	6.0	30.0	3.0	2.7	1.2
680.0	E	T510E687(1)006AS	40.8	6.0	23.0	3.5	3.2	1.4
680.0	E	T510E687(1)006AS4115	40.8	6.0	12.0	4.8	4.3	1.9
<b>10 Volt Rating at +85°C (7 Volt Rating at 125°C)</b>								
330.0	X	T510X337(1)010AS	33.0	6.0	35.0	2.8	2.5	1.1
<b>25 Volt Rating at +85°C (17 Volt Rating at 125°C)</b>								
100.0	E	T510E107(1)025AS	25.0	8.0	50.0	2.4	2.1	1.0

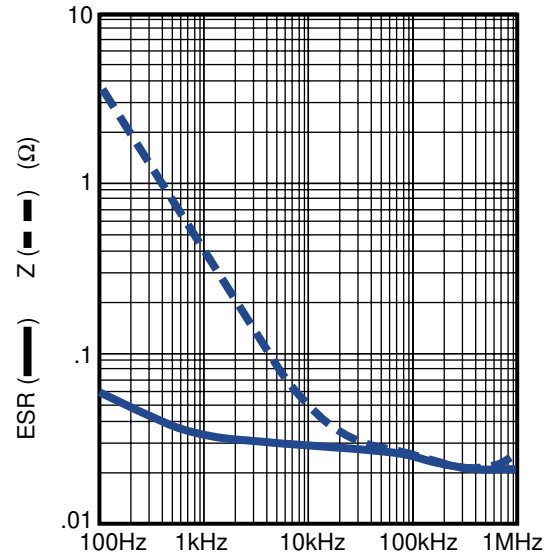
### T510 ORDERING INFORMATION



**TYPICAL CAP FREQUENCY SCAN @25°C**  
T510X477M006AS

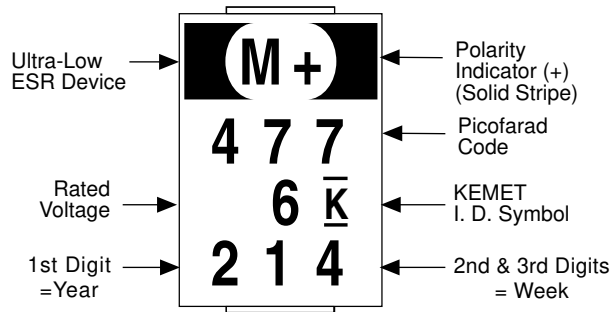


**TYPICAL ESR/Z FREQUENCY SCAN @25°C**  
T510X477M006AS



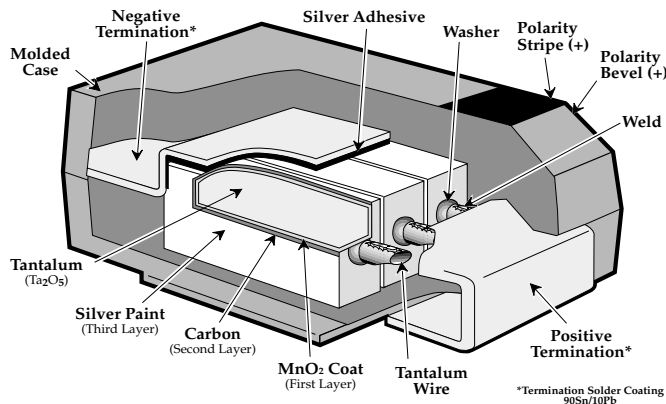
Solid Tantalum Surface Mount

## CAPACITOR MARKINGS

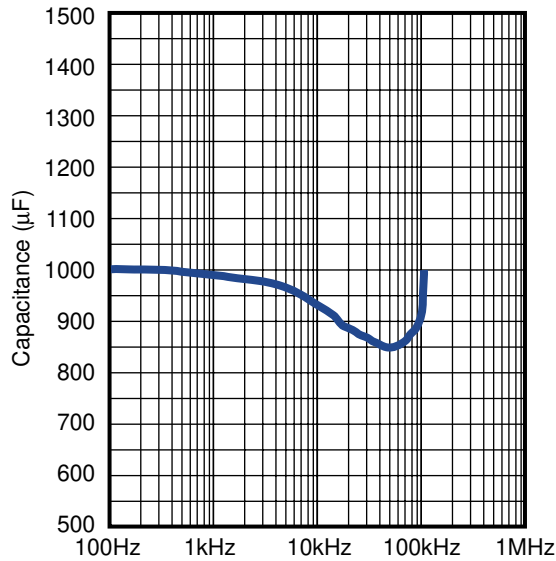


"214" = The 14th week of 2002.

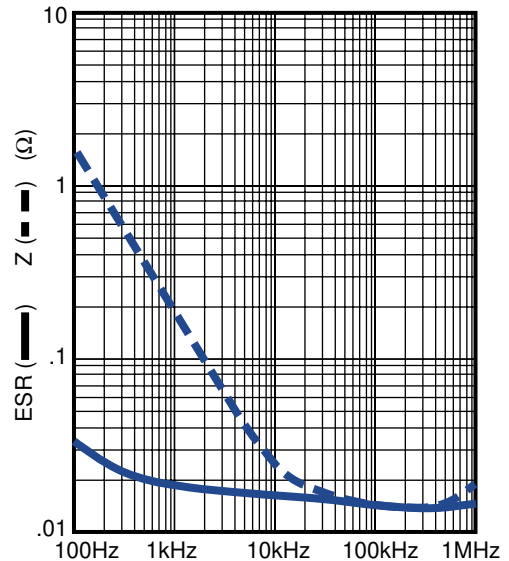
## T510 SERIES CONSTRUCTION



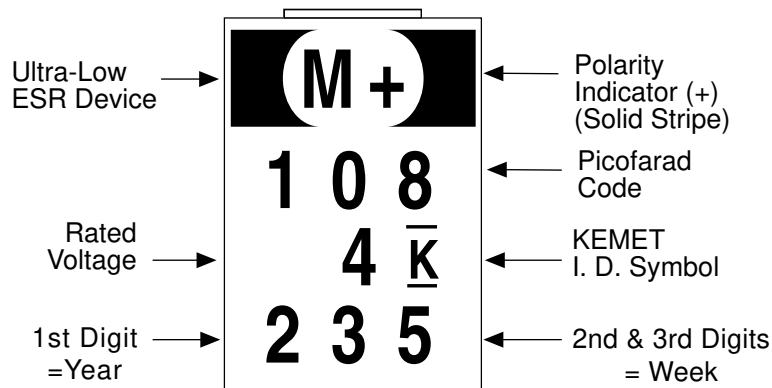
**TYPICAL CAP FREQUENCY SCAN @ 25°C**  
T510E108M004AS



**TYPICAL ESR/Z FREQUENCY SCAN @ 25°C**  
T510E108M004AS



**CAPACITOR MARKINGS**



"235" = The 35th week of 2002.

**T510E SERIES CONSTRUCTION**

