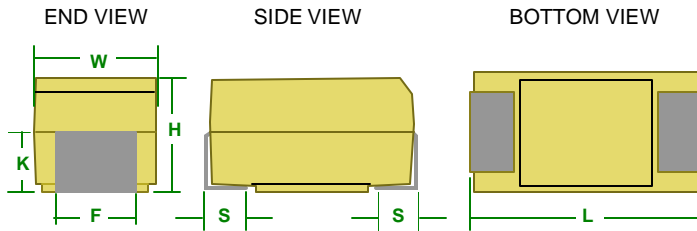


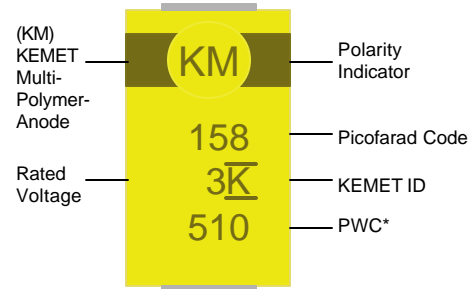
# T530 Series - KEMET M Multi-Polymer-Anode Tantalum Chip Capacitor

New Product Specification 4/28/06

## Component Outline Drawing



## Component Marking



\* 510 = 10<sup>th</sup> week of 2005

Case Codes		Component Dimensions					
		L	W	H	K Min	F ± 0.1	S ± 0.2
KEMET	EIA						
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	1.3	2.4	1.3
Y	7343-40	7.3±0.3	4.3±0.3	4.0 max	1.9	2.4	1.3
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.1	2.4	1.3

## Part Number and Electrical Specification Table

KEMET Part Number	Case	Cap	Voltage	DCL V <sub>R</sub>	DF 120Hz	ESR, 100kHz	Ripple Current (Arms) @ 100 kHz	
							delta T=20°C @ -55°C to 105°C	delta T=2°C @ 125°C
T530X687M2R5A(*)E006	X/7343-43	680 µF	2.5 V	170 µA	8 %	6 mΩ	6.7	2.1
T530D477M004A(*)E006	D/7343-31	470 µF	4 V	188 µA	8 %	6 mΩ	6.5	2.1

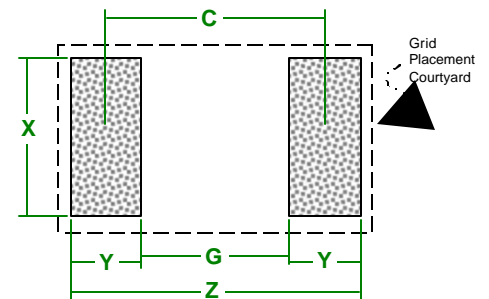
(\*) Insert "T" for 100% tin (Sn) termination or "H" for tin/lead (Sn/Pb)

## Land Pattern Dimensions for Reflow Solder

KEMET/EIA Size Code	Pad Dimensions					
	Z	G	X	Y (ref)	C (ref)	
D/7343-31	8.90	3.80	2.70	2.55	6.35	
Y/7343-40	8.90	3.80	2.70	2.55	6.35	
X/7343-43	8.90	3.80	2.70	2.55	6.35	

## Packaging Specifications

KEMET	EIA		Part	Sprocket	180mm (7" dia)	330mm (13" dia)
D	7343-31	12±0.3	8	4	500	2500
Y	7343-40	12±0.3	8	4	500	2000
X	7343-43	12±0.3	8	4	500	2000



4/28/06