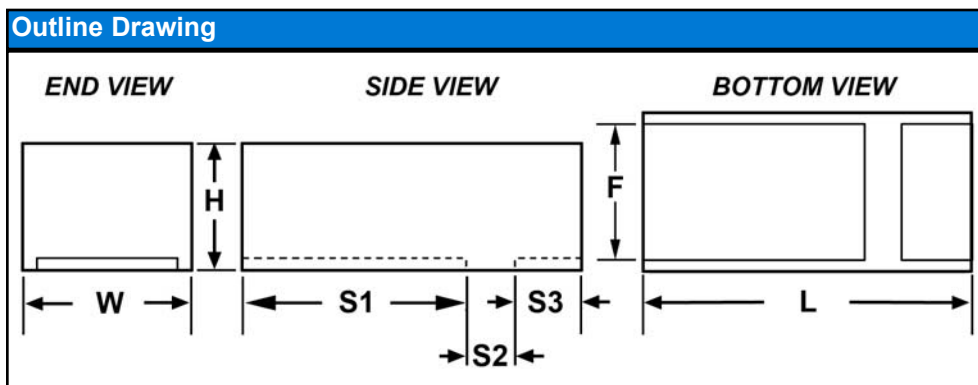


T528 Series - Face Down Termination Organic Tantalum Surface Mount Capacitor

Features	
Polymer Cathode Technology	100% Accelerated Steady State Aging
Low ESL <0.7nH @ 20 MHz	100% Surge Current Testing
High Frequency Cap Retention	Self-Healing Mechanism
Non-Ignition Failure Mode	Improved Volumetric Efficiency
Capacitance: 330.0μF	Use up to 90% V_R
Voltage (V_R): 2.5V	RoHS Compliant
105°C Maximum Temperature Capability	Lead Free

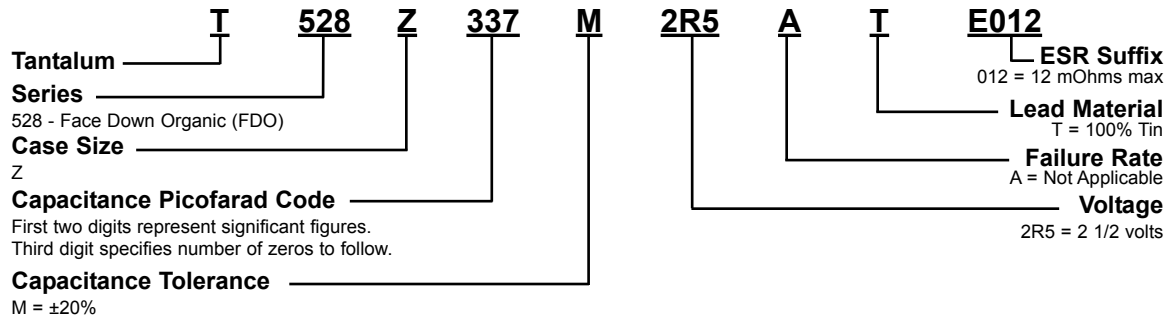


Dimensions – Millimeters								
KEMET	EIA Size Code	L Length	W Width	H Height Max.	F LF Width ± 0.2	S1 Cathode ± 0.2	S2 Space ± 0.2	S3 Anode ± 0.2
Z	7343-17	7.3 ± 0.40	4.3 ± 0.30	1.7	2.8	5.1	1.1	1.3

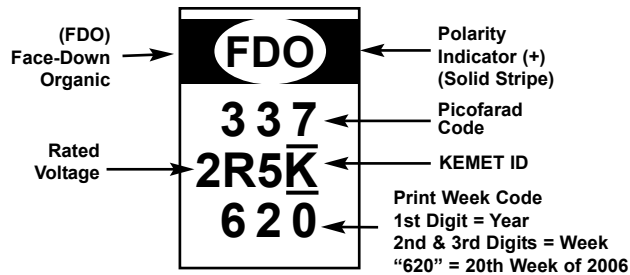
T528 Ratings & Part Number Reference								
Capacitance μF	Case Size	KEMET Part Number	DC Leakage μA @ 25°C Max	DF% @ 25°C 120 Hz Max	ESR mΩ @ 25°C 100 kHz Max	Ripple Current (Arms) 100 kHz Max		
						w/ΔT= 20°C @ -55°C to 85°C	w/ΔT= 2°C @ 105°C	
2.5 Volt Rating at 105°C								
330.0	Z	T528Z337M2R5ATE009	83	10.0	9	6.0	1.9	
330.0	Z	T528Z337M2R5ATE012	83	10.0	12*	5.2	1.6	

* ESR specification: 10 mOhms ±20%

Ordering Information



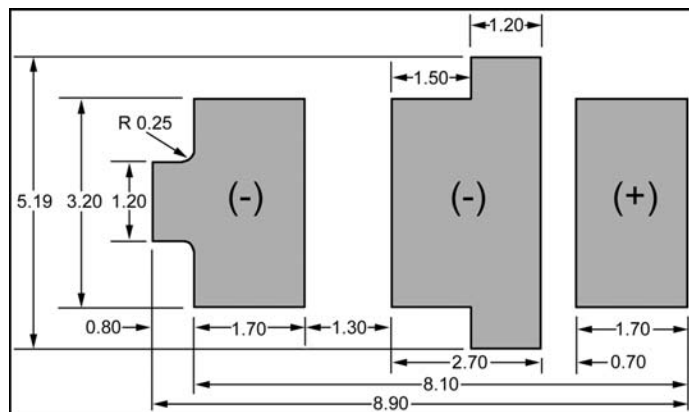
Component Marking



Component Packaging

Component Packaging						
Case Code		Tape & Reel Dimensions				
KEMET	EIA	Tape Width mm	Pitch mm		Reel Quantity	
			Part	Sprocket	180mm (7" dia)	330mm (13" dia)
Z	7343-17	12.0 ± 0.3	8.0 ± 0.1	4.0 ± 0.1	1,000	3,000

Land Pattern Dimensions for Reflow Solder



Facedown 7343 will NOT fit on standard 7343 solder pads, and movement along Z axis result in a short. Three-pad design must be used with center pad connection to circuit for low ESL properties. dual pads on cathode connection required to prevent solder lifting with one cathode pad, and for mechanical hold. Will fit on Sanyo TPL pad specification - all dimensions equal except for 0.80mm tab extension at left cathode (-) plate as shown above.

In general, the information in the KEMET Surface Mount catalog F3102 applies to these capacitors. The information in this bulletin supplements that in the catalog.