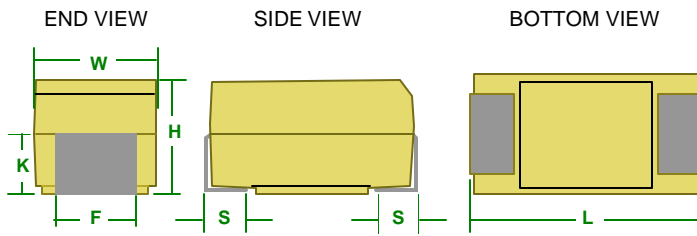
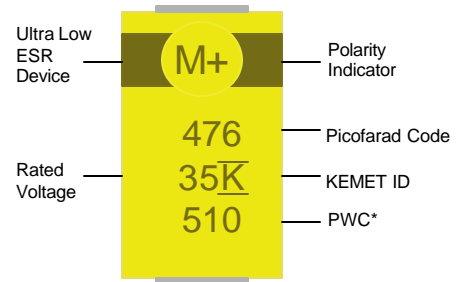


**T510 Series - KEMET Ultra-Low ESR Tantalum Chip Capacitor**  
**Product Specification 12-19-05**

**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 ± 0.3
KEMET	EIA						
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.1	2.4	1.3
E	7260-38	7.3±0.3	6.0±0.3	3.6±0.2	2.1	4.1	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		
							@ 25°C	@ 85°C	@ 125°C
T510X107(1)020A*	X/7343-43	100 µF	20 V	20.0 µA	6 %	40 mΩ	2598	2338	1039

(1) Insert M for +/-20% or K for +/-10%

\* 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)
X/7343-43	8.90	3.80	2.70	2.55	6.35
E/7260-38	8.90	3.80	4.40	2.55	6.35

**Packaging Specifications**

Case Codes		Tape and Reel Dimensions				
		Tape Width mm	Pitch mm ±0.1		Reel Quantity	
KEMET	EIA		Part	Sprocket	180mm (7" dia)	330mm (13" dia)
X	7343-43	12±0.3	8	4	500	2000
E	7260-38	12±0.3	8	4	500	2000

