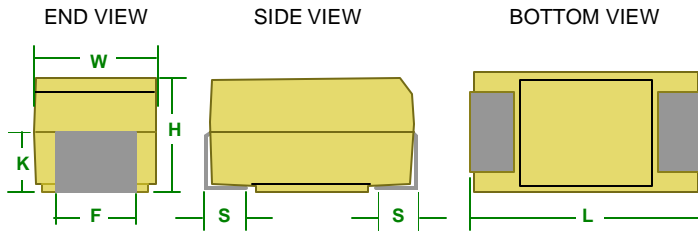


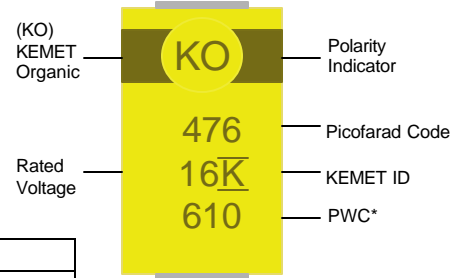
# T520 Series - KEMET Organic Conductive Polymer Capacitor

Product Release 4/28/06

## Component Outline Drawing



## Component Marking



\* 610 = 10<sup>th</sup> week of 2006

Case Codes		Component Dimensions					
		L	W	H	K Min	F ± 0.1	S ± 0.3
KEMET	EIA						
A	3216-18	3.2±0.2	1.6±0.2	1.6±0.2	0.7	1.2	0.8
B	3528-20	3.5±0.2	2.8±0.2	1.9±0.1	0.9	2.2	0.8
C	6032-28	6.0±0.3	3.2±0.3	2.5±0.3	1.2	2.2	1.3
U	6032-15	6.0±0.3	3.2±0.3	1.5 max	0.5	2.2	1.3
W	7343-15	7.3±0.3	4.3±0.3	1.5 max	0.6	2.4	1.3
V	7343-20	7.3±0.3	4.3±0.3	1.9 max	0.9	2.4	1.3
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	1.3	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
T	3528-12	3.5±0.2	2.8±0.2	1.2 max	0.3	2.2	0.8

## Part Number and Electrical Specification Table

KEMET Part Number	Case	Cap (µF)	Voltage (V)	DCL V <sub>R</sub> (µA)	DF 120Hz (%)	ESR, 100kHz (mΩ)	Ripple Current (Arms) @ 100 kHz	
							delta T=20°C @ -55°C to 85°C	delta T=2°C @ 105°C
T520T476M006A*E040	T/3528-12	47	6.3	30	8	40	1.3	0.4
T520V107M006A*E045	V/7343-20	100	6.3	63	10	45	1.7	0.5
T520V337M006A*E045	V/7343-20	330	6.3	208	10	45	1.7	0.5
T520D477M006A*E025	D/7343-31	470	6.3	296	10	25	2.4	0.8
T520B476M008A*E035	B/3528-20	47	8	38	8	35	1.6	0.5
T520B476M008A*E070	B/3528-20	47	8	38	8	70	1.1	0.3
T520B476M010A*E035	B/3528-20	47	10	47	8	35	1.6	0.5
T520B476M010A*E070	B/3528-20	47	10	47	8	70	1.1	0.3
T520V686M010A*E100	V/7343-20	68	10	68	10	100	1.1	0.4
T520D686M010A*E100	D/7343-31	68	10	68	10	100	1.2	0.4

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

KEMET/EIA Size Code	Pad Dimensions				
	Z	G	X	Y (ref)	C (ref)
A/3216-18	4.70	0.80	1.50	1.95	2.75
B/3528-20, T/73528-12	5.00	1.10	2.50	1.95	3.05
C/6032-28, U/6032-15	7.60	2.50	2.50	2.55	5.05
W/7343-15, V/7343-19, D/7343-31, Y/7343-40 X/7343-43	8.90	3.80	2.70	2.55	6.35

## Land Pattern Dimensions for Reflow Solder

