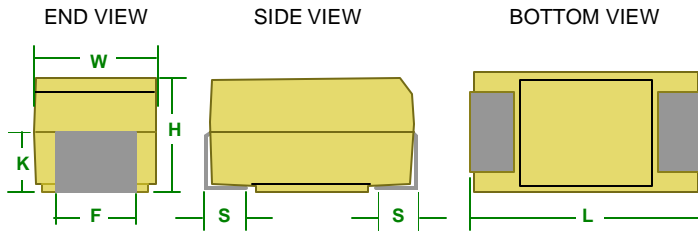


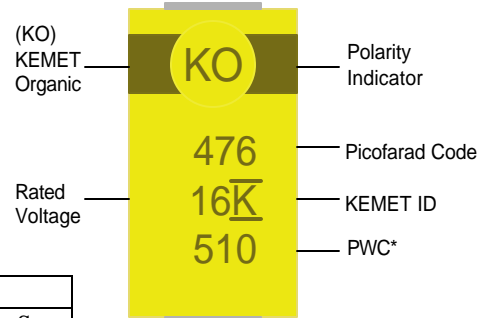
# T520 Series - KEMET Organic Conductive Polymer Capacitor

Product Release 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						
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
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
T520C227M2R5A*E045	C/6032-28	220	2.5	55	8	45	1.6	0.5
T520V337M2R5A*E040	V/7343-19	330	2.5	83	10	40	1.8	0.6
T520V477M2R5A*E007	V/7343-19	470	2.5	118	10	7	4.2	1.3
T520D477M2R5A*E007	D/7343-31	470	2.5	118	10	7	4.6	1.5
T520C157M004A*E045	C/6032-28	150	4	60	8	45	1.6	0.5
T520V337M004A*E007	V/7343-19	330	4	132	10	7	4.2	1.3
T520D337M004A*E007	D/7343-31	330	4	132	10	7	4.6	1.5
T520C107M006A*E045	C/6032-28	100	6.3	63	8	45	1.6	0.5
T520V227M006A*E007	V/7343-19	220	6.3	139	10	7	4.2	1.3
T520D227M006A*E007	D/7343-31	220	6.3	139	10	7	4.6	1.5
T520D477M006A*E030	D/7343-31	470	6.3	296	10	30	2.2	0.7
T520C686M010A*E045	C/6032-28	68	10	68	8	45	1.6	0.5

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