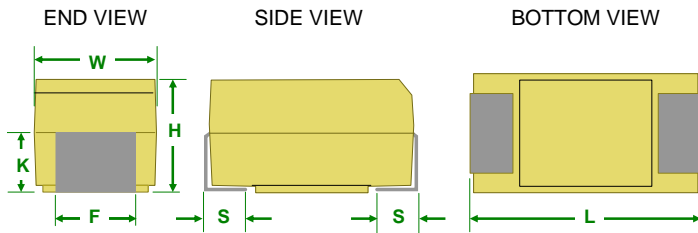
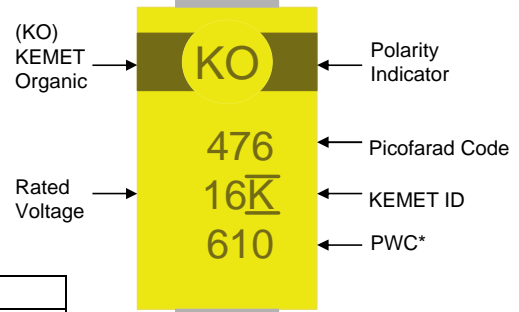


**T520 Series - KEMET Organic Conductive Polymer Capacitor**  
**Product Specification – 10-2-06**

**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	3528-21	3.5±0.2	2.8±0.2	1.9±0.2	0.9	2.2	0.8
T	3528-12	3.5±0.2	2.8±0.2	1.2 max	0.3	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	2.0 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

**Part Number and Electrical Specification Table**

KEMET Part Number	Case	Cap	Voltage	DCL V <sub>R</sub>	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
T520B107M2R5A(1)E035	B/3528-21	100 μF	2.5V	25μA	8 %	35	1.6	0.5
T520D227M2R5A(1)E040	D/7343-40	220μF	2.5V	55μA	10%	40	1.9	0.6
T520V337M2R5A(1)E006	V/7343-20	330 μF	2.5V	83μA	10%	6	4.6	1.4
T520V337M2R5A(1)E012	V/7343-20	330 μF	2.5V	83μA	10%	12	3.2	1.0
T520V337M2R5A(1)E018	V/7343-20	330 μF	2.5V	83μA	10%	18	2.6	0.8
T520V477M2R5A(1)E018	V/7343-20	470μF	2.5V	118μA	10%	18	2.6	0.8
T520B107M003A(1)E035	B/3528-21	100μF	3V	30μA	8%	35	1.6	0.5
T520B157M003A(1)E035	B/3528-21	150μF	3V	45μA	8%	35	1.6	0.5
T520B686M004A(1)E035	B/3528-21	68μF	4V	27μA	8%	35	1.6	0.5
T520C157M004A(1)E015	C/6032-28	150μF	4V	60μA	8%	15	2.7	0.9
T520C157M004A(1)E100	C/6032-28	150μF	4V	60μA	8%	100	1.0	0.3
T520B227M004A(1)E035	B/3528-21	220μF	4V	88μA	8%	35	1.6	0.5
T520C227M004A(1)E055	C/6032-28	220μF	4V	88μA	8%	55	1.4	0.4
T520V227M004A(1)E006	V/7343-20	220μF	4V	88μA	10%	6	4.6	1.4
T520V227M004A(1)E018	V/7343-20	220μF	4V	88μA	10%	18	2.6	0.8
T520V337M004A(1)E018	V/7343-20	330μF	4V	132μA	10%	18	2.6	0.8
T520B476M006A(1)E035	B/3528-21	47μF	6.3V	30μA	8%	35	1.6	0.5

## *T520 Series - KEMET Organic Conductive Polymer Capacitor*

### *Product Specification – 10-2-06*

T520B686M006A(1)E035	B/3528-21	68 $\mu$ F	6.3V	43 $\mu$ A	8%	35	1.6	0.5
T520B686M006A(1)E045	B/3528-21	68 $\mu$ F	6.3V	43 $\mu$ A	8%	45	1.4	0.4
T520B107M006A(1)E025	B/3528-21	100 $\mu$ F	6.3V	63 $\mu$ A	8%	25	1.8	0.3
T520B107M006A(1)E035	B/3528-21	100 $\mu$ F	6.3V	63 $\mu$ A	8%	35	1.6	0.5
T520C157M006A(1)E015	C/6032-28	150 $\mu$ F	6.3V	95 $\mu$ A	8%	15	2.7	0.9
T520C157M006A(1)E055	C/6032-28	150 $\mu$ F	6.3V	95 $\mu$ A	8%	55	1.4	0.4
T520V157M006A(1)E006	V/7343-20	150 $\mu$ F	6.3V	95 $\mu$ A	10%	6	4.6	1.4
T520V157M006A(1)E018	V/7343-20	150 $\mu$ F	6.3V	95 $\mu$ A	10%	18	2.6	0.7
T520V227M006A(1)E018	V/7343-20	220 $\mu$ F	6.3V	139 $\mu$ A	10%	18	2.6	0.7

(1) To complete KEMET part number, insert lead material designator "T" for 100% tin (Sn) termination or "H" for tin/lead (Sn/Pb) termination

Rev. 10/02/2006