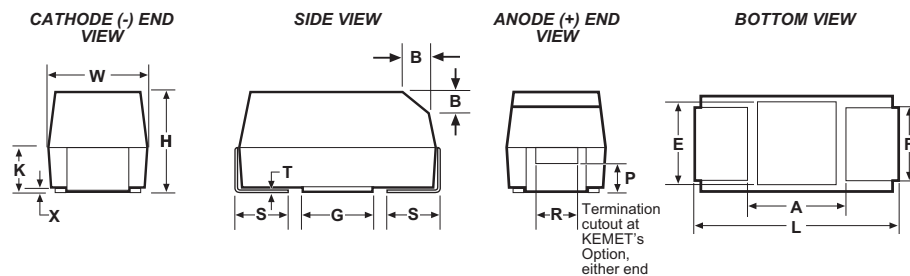


**T530 Series - High Capacitance/Ultra-Low ESR Tantalum Surface Mount Capacitor
DSCC Dwg. 04052 Approved**

Features	
Polymer Cathode Technology	100% Accelerated Steady State Aging
Extremely Low ESR	100% Surge Current Testing
High Frequency Capacitance Retention	Utilizes Multiple Tantalum Anode Technology
Non-Ignition Failure Mode	Volumetrically Efficient
Use up to 90% of Rated Voltage (10% Derating)	Self-Healing Mechanism
Operating Temperature -55°C to +125°C	Available tested per DSCC Dwg. 04052

Outline Drawing

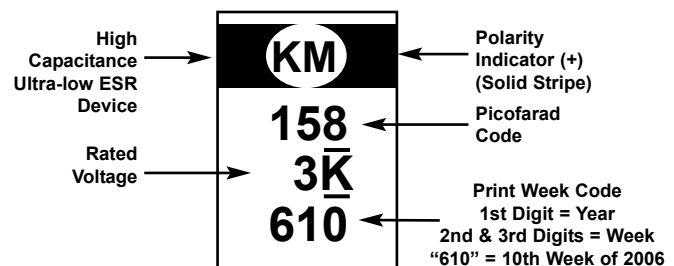


Dimensions – Millimeters

KEMET Size Code	EIA Size Code	L Length	W Width	H Height	K ± 0.20 $\pm(.008)$	F ± 0.10 $\pm(.004)$	S ± 0.30 $\pm(.012)$	B(Ref) ± 0.15 $\pm(.006)$	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
D	7343-31	7.3 \pm 0.30 (.287 \pm .012)	4.3 \pm 0.30 (.169 \pm .012)	2.8 \pm 0.30 (.110 \pm .012)	1.5 (.059)	2.4 (.094)	1.3 (.051)	0.5 (.020)	0.10 \pm 0.10 (.004 \pm .004)	0.9 (.035)	1.0 (.039)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
Y	7343-40	7.3 \pm 0.30 (.287 \pm .012)	4.3 \pm 0.30 (.169 \pm .012)	4.0 max.	1.9 (.075)	2.4 (.094)	1.3 (.051)	----	0.10 \pm 0.10 (.004 \pm .004)	----	----	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-40	7.3 \pm 0.30 (.287 \pm .012)	4.3 \pm 0.30 (.169 \pm .012)	4.0 \pm 0.30 (.157 \pm .012)	2.3 (.090)	2.4 (.094)	1.3 (.051)	----	0.10 \pm 0.10 (.004 \pm .004)	----	----	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

Construction

Component Marking



Ratings & Part Number Reference

Capacitance μF	Case Size	KEMET Part Number	DSCC DWG. No. 04052 Part Number	DC Leakage μA @ 25°C Max	DF % @ 25°C 120Hz Max	ESR $\text{m}\Omega$ @100 kHz 25°C Max	Ripple Current (Arms) @ 100 kHz	
							w/ ΔT = 20°C @ -55°C to 105°C	w/ ΔT = 2°C @ 125°C
2.5 Volt Rating at 105°C (1.7 Volt Rating at 125°C)								
470.0	D	T530D477M2R5AH4097	04052-001	118	8.0	5.0	7.1	2.3
470.0	D	T530D477M2R5AH4096	04052-002	118	8.0	6.0	6.5	2.1
470.0	D	T530D477M2R5AH4095	04052-003	118	10.0	10.0	5.0	1.6
560.0	D	T530D567M2R5AH4095	04052-004	140	8.0	5.0	7.1	2.3
680.0	Y	T530Y687M2R5AH4096	04052-005	170	8.0	5.0	7.2	2.3
680.0	Y	T530Y687M2R5AH4095	04052-006	170	8.0	6.0	6.6	2.1
680.0	D	T530D687M2R5AH4096	04052-007	170	8.0	6.0	6.5	2.1
680.0	D	T530D687M2R5AH4095	04052-008	170	8.0	10.0	5.0	1.6
1000.0	X	T530X108M2R5AH4096	04052-009	250	8.0	5.0	7.3	2.3
1000.0	X	T530X108M2R5AH4095	04052-010	250	8.0	6.0	6.7	2.1
1500.0	X	T530X158M2R5AH4095	04052-011	375	8.0	5.0	7.3	2.3
3 Volt Rating at 105°C (2 Volt Rating at 125°C)								
470.0	D	T530D477M003AH4095	04052-012	141	8.0	10.0	5.0	1.6
680.0	D	T530D687M003AH4095	04052-013	204	8.0	10.0	5.0	1.6
1000.0	X	T530X108M003AH4095	04052-014	300	8.0	10.0	5.2	1.6
1500.0	X	T530X158M003AH4095	04052-015	450	8.0	8.0	5.8	1.8
4 Volt Rating at 105°C (2.7 Volt Rating at 125°C)								
330.0	D	T530D337M004AH4096	04052-016	132	8.0	5.0	7.1	2.3
330.0	D	T530D337M004AH4095	04052-017	132	8.0	6.0	6.5	2.1
470.0	D	T530D477M004AH4095	04052-018	188	8.0	10.0	5.0	1.6
470.0	Y	T530Y477M004AH4096	04052-019	188	8.0	5.0	7.2	2.3
470.0	Y	T530Y477M004AH4095	04052-020	188	8.0	6.0	6.6	2.1
680.0	X	T530X687M004AH4097	04052-021	272	8.0	5.0	7.3	2.3
680.0	X	T530X687M004AH4096	04052-022	272	8.0	6.0	6.7	2.1
680.0	X	T530X687M004AH4095	04052-023	272	8.0	10.0	5.2	1.6
1000.0	X	T530X108M004AH4095	04052-024	400	8.0	6.0	6.7	2.1
6.3 Volt Rating at 105°C (4.2 Volt Rating at 125°C)								
220.0	D	T530D227M006AH4096	04052-025	139	8.0	5.0	7.1	2.3
220.0	D	T530D227M006AH4095	04052-026	139	8.0	6.0	6.5	2.1
330.0	D	T530D337M006AH4095	04052-027	208	8.0	10.0	5.0	1.6
330.0	Y	T530Y337M006AH4097	04052-028	208	8.0	5.0	7.2	2.3
330.0	Y	T530Y337M006AH4096	04052-029	208	8.0	6.0	6.6	2.1
330.0	Y	T530Y337M006AH4095	04052-030	208	8.0	10.0	5.1	1.6
470.0	X	T530X477M006AH4097	04052-031	296	8.0	5.0	7.3	2.3
470.0	X	T530X477M006AH4096	04052-032	296	8.0	6.0	6.7	2.1
470.0	X	T530X477M006AH4095	04052-033	296	8.0	10.0	5.2	1.6
10 Volt Rating at 105°C (6.6 Volt Rating at 125°C)								
150.0	D	T530D157M010AH4096	04052-034	150	8.0	5.0	7.1	2.3
150.0	D	T530D157M010AH4095	04052-035	150	8.0	6.0	6.5	2.1
220.0	D	T530D227M010AH4096	04052-036	220	8.0	6.0	6.5	2.1
220.0	D	T530D227M010AH4095	04052-037	220	8.0	10.0	5.0	1.6
220.0	Y	T530Y227M010AH4095	04052-038	220	8.0	6.0	6.6	2.1
330.0	X	T530X337M010AH4097	04052-039	330	8.0	5.0	7.3	2.3
330.0	X	T530X337M010AH4096	04052-040	330	8.0	6.0	6.7	2.1
330.0	X	T530X337M010AH4095	04052-041	330	8.0	10.0	5.2	1.6

Ordering Information

