

Castanet Tantalum Capacitors

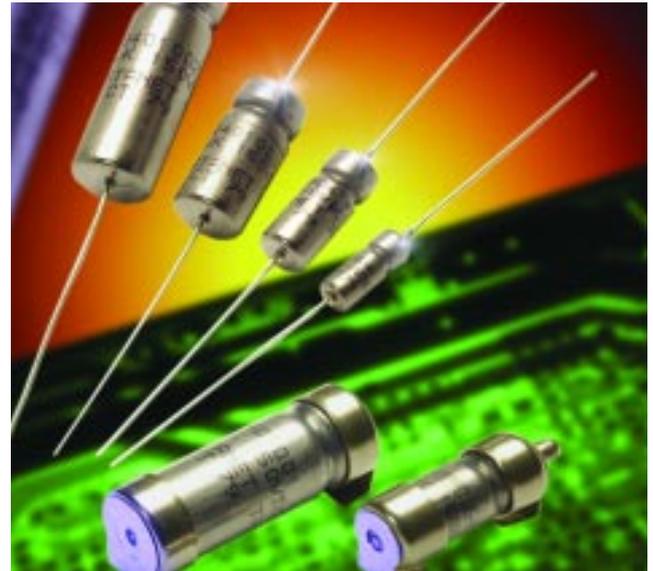
TH - SMTH Series

Range and General Data

2.5 μ F to 82 μ F

150V

-55°C to 125°C



Arcotronics has become the first company to offer a range of 150V wet tantalum capacitors featuring an all-tantalum construction. The products offer a variety of significant benefits, including cost-saving for module configurations, and elimination of the silver-migration problems associated with silver-cased capacitors.

Available in four standard case sizes (T1, T2, T3, T4), with capacitance values ranging from 2.5 μ F to 82 μ F, the new addition to Arcotronics' TH range is rated at 150V (at 85°C), is able to handle high ripple currents (up to 1.86A at 40KHz) and has reverse voltage capability.

With very similar characteristics to the other products in the widely-specified TH range, the 150V version will allow the construction of smaller modules with increased operational voltage, as well as reduce the number of components required to meet high-voltage requirements of series configurations.

With long-life reliability, the products are available in leaded and surface-mount versions.

- Extended voltage range (150volt operation)
- All Tantalum construction eliminates Silver Migration
- Withstands high ripple current
- Long life reliability
- Reverse voltage capability
- Available in leaded and surface mount styles
- Fewer components required in series connection
- Fewer components required in module construction allowing for smaller module sizes but increased voltage operation
- Superior replacements for silver cased 150volt devices

Maximum values

Capacitance μ F	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Dissipation Factor %	ESR Ω	Impedance		Leakage Current		Capacitance Change		Max RMS Ripple Current 85°C 40kHz (mA)	Arcotronics Pt No's Cap Tol	
						-55°C 100Hz Ω	25°C 100Hz Ω	25°C 85 to 125°C μ A	-55°C % 125°C %	\pm 10% 402/1/ \pm 20% 402/1/	\pm 20% 402/1/			
2.5	150	100	T1	3	13.3	780	5	1	3	-16	8	450	57608/108	57608/008
3.3	150	100	T1	3	11.1	600	5	1	3	-16	8	495	57608/109	57608/009
14	150	100	T2	6	5.0	167	5	2	10	-16	8	1050	57606/108	57606/008
18	150	100	T2	8	3.7	133	5	2	10	-16	8	1065	57606/109	57606/009
25	150	100	T3	6	2.6	93	5	2	20	-16	8	1335	57605/108	57605/008
47	150	100	T3	9	2.8	70	5	2	20	-23	10	1280	57605/109	57605/009
56	150	100	T4	6	1.5	47	1	3	30	-25	15	1860	57607/115	57607/015
82	150	100	T4	10	1.5	39	1	3	30	-24	18	1860	57607/116	57607/016

Note: For surface mount - SMTH versions replace the first digit '5' of the above Pt No's with a '7'