



Surface-Mount Solid Tantalum Capacitors



Conformal Coated Capacitors

Molded Capacitors

Molded, Lead-Frameless Capacitors

RESOURCES:

- Tantalum capacitors portfolio: <http://www.vishay.com/capacitors/tantalum/>
- FIT calculator: <http://www.vishay.com/capacitors/tantalum/capacitors/tantalum/tantalum-wet/tantalum-reliability-calculator-list/>
- Technical support: tantalum@vishay.com
- Sales Contacts: <http://www.vishay.com/doc?99914>





CAPACITORS

Tantalum

Commercial Series

Series	Capacitance Range	Voltage Range	Case Size	Features	
Molded Package					
293D	0.10 μ F to 1000 μ F	4 V to 63 V	A, B, C, D, E, V	<ul style="list-style-type: none"> TANTAMOUNT™ Standard industrial grade 	
893D	0.47 μ F to 470 μ F	4 V to 50 V	C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Built-in fuse 	
TF3	0.47 μ F to 470 μ F	4 V to 50 V	C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Low ESR Built-in fuse 	
TH3 Hi-TMP®	0.33 μ F to 220 μ F	6.3 V to 50 V	A, B, C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ High temperature, +150 °C AEC-Q200 qualified 	
TH4 Hi-TMP®	10 μ F to 47 μ F	6.3 V to 16 V	B, C	<ul style="list-style-type: none"> TANTAMOUNT™ High temperature, +175 °C AEC-Q200 qualified 	
TH5 Hi-TMP®	4.7 μ F and 10 μ F	21V and 24V	E	<ul style="list-style-type: none"> TANTAMOUNT™ High temperature, +200 °C 	
TP3	0.10 μ F to 470 μ F	4 V to 50 V	A, B, C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ High performance AEC-Q200 qualified 	
TR3	0.47 μ F to 1000 μ F	4 V to 63 V	A, B, C, D, E, V, W	<ul style="list-style-type: none"> TANTAMOUNT™ Low ESR 	
TL3	0.1 μ F to 470 μ F	4 V to 50 V	A, B, C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Very low DCL (0.005 CV) Low ESR 	
Molded Lead-Frameless Package					
298D	1.0 μ F to 330 μ F	2.5 V to 50 V	K, M, R, P, Q, A, B	<ul style="list-style-type: none"> General purpose MicroTAN® Variety of case sizes from 1005 to 3528 	
298W	10 μ F to 220 μ F	4.0 V to 10 V	K, M, Q	<ul style="list-style-type: none"> Extended range MicroTAN® Maximum capacitance density 	
TR8	1.0 μ F to 220 μ F	4 V to 16 V	M, P	<ul style="list-style-type: none"> Low ESR MicroTAN® 1608 and 2012 sizes 	
TP8	1 μ F to 100 μ F	6.3 V to 40 V	M, W, R, P, A, B	<ul style="list-style-type: none"> Automotive Grade MicroTAN® Small sizes for space constrained applications High reliability solid surface-mount tantalum capacitors 	
TL8	3.3 μ F to 220 μ F	4.0 V to 35 V	W0, W9, A0, B0	<ul style="list-style-type: none"> Low-profile MicroTAN® Ultra-low profile: 0.8 mm to 1.0 mm in a variety of case sizes Highest capacitance-voltage product in industry 	
Conformal Coated Package					
591D	1.0 μ F to 1500 μ F	4 V to 35 V	A, B, C, D, R	<ul style="list-style-type: none"> Low ESR/low-profile TANTAMOUNT™ Maximum CV 	
592D	1.0 μ F to 2200 μ F	4 V to 50 V	A, B, C, D, M, R, S, X	<ul style="list-style-type: none"> Low-profile TANTAMOUNT™ Maximum CV 	
594D	1.0 μ F to 1500 μ F	4 V to 50 V	B, C, D, R	<ul style="list-style-type: none"> Low-ESR TANTAMOUNT™ Maximum CV 	
595D	0.10 μ F to 1500 μ F	4 V to 50 V	A, B, C, D, G, H, M, R, S, T	<ul style="list-style-type: none"> General purpose TANTAMOUNT™ Maximum CV 	
597D	10 μ F to 1500 μ F	4 V to 75 V	D, E, F, H, M, N, R, V, Z	<ul style="list-style-type: none"> Ultra low ESR TANTAMOUNT™ Maximum CV High voltage, high capacitance 	



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Capacitors - Surface-Mount Solid Tantalum Capacitors

High Reliability Series

Series	Capacitance Range	Voltage Range	Case Size	Features	
Molded Package					
793DX	0.10 μ F to 100 μ F	4 V to 50 V	A, B, C, D	<ul style="list-style-type: none"> TANTAMOUNT™ CECC 30 801 005 approved 	
CTC3	0.10 μ F to 100 μ F	4 V to 50 V	A, B, C, D	<ul style="list-style-type: none"> TANTAMOUNT™ CECC 30 801 009 approved 	
CTC4	0.10 μ F to 100 μ F	4 V to 50 V	A, B, C, D	<ul style="list-style-type: none"> TANTAMOUNT™ CECC 30 801 011 approved 	
CWR11	0.10 μ F to 100 μ F	4 V to 50 V	A, B, C, D	<ul style="list-style-type: none"> TANTAMOUNT™ MIL-PRF-55365 qualified Space level option available 	
DSCC 04053	0.47 μ F to 470 μ F	4 V to 50 V	C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Built-in fuse DSCC approved 	
DSCC 95158	4.7 μ F to 220 μ F	6.3 V to 50 V	C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Low ESR DSCC approved 	
T83	0.10 μ F to 470 μ F	4 V to 63 V	A, B, C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Hi-Rel COTS Weibull grade and surge current options 	
T86	0.47 μ F to 470 μ F	4 V to 50 V	C, D, E	<ul style="list-style-type: none"> TANTAMOUNT™ Hi-Rel COTS Built-in fuse Weibull grade and surge current options 	
Molded Lead-Frameless Package					
TM8	1.0 μ F to 47 μ F	2 V to 40 V	K, A, M, N, P, R, T, W	<ul style="list-style-type: none"> High reliability MicroTAN® Low DCL for long battery life Reliability and surge current screening options 	
Conformal Coated Package					
194D	0.10 μ F to 330 μ F	4 V to 50 V	A, B, C, D, E, F, G, H	<ul style="list-style-type: none"> TANTAMOUNT™ 	
CWR06	0.10 μ F to 100 μ F	4 V to 50 V	A, B, C, D, E, F, G, H	<ul style="list-style-type: none"> TANTAMOUNT™ MIL-PRF-55365 qualified 	
CWR16	0.33 μ F to 330 μ F	4 V to 35 V	A, B, C, D, E, F, G, H	<ul style="list-style-type: none"> TANTAMOUNT™ Extended range MIL-PRF-55365 qualified 	
CWR26	10.0 μ F to 100 μ F	10 V to 35 V	F, G, H	<ul style="list-style-type: none"> TANTAMOUNT™ MIL-PRF-55365 qualified Low ESR 	
T95	0.15 μ F to 680 μ F	4 V to 50 V	A, B, C, D, R, S, T, V, X, Y, Z	<ul style="list-style-type: none"> TANTAMOUNT™ Hi-Rel COTS 	
T96	10 μ F to 680 μ F	4 V to 50 V	R	<ul style="list-style-type: none"> TANTAMOUNT™ Built-in fuse Hi-Rel COTS 	
T97	10 μ F to 1500 μ F	4 V to 75 V	D, E, F, H, M, N, R, V, Z	<ul style="list-style-type: none"> TANTAMOUNT™ Ultra-low ESR Hi-Rel COTS 	
T98	15 μ F to 1500 μ F	4 V to 63 V	E, F, H, M, R, V, Z	<ul style="list-style-type: none"> TANTAMOUNT™ Low ESR Built-in fuse Hi-Rel COTS 	



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