


# More Tantalum Capacitors

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## Solid Tantalum Electrolytic Capacitors

Form Factor	MIL Specifications	Cap Range ( $\mu$ F)	Volts (Vdc)	Tolerance (%)	Temp Range** ( $^{\circ}$ C)	Case Size (Inches)	Case Size (mm)	MIL GPL Appvls Failure Rate Levels	Highlights
<b>Military - Established Reliability</b>						<b>(D x L)</b>			
	M39003/01 CSR13	0.004 to 330	6 to 100	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.135 x .288 to .351 x .786	3.43 x 7.32 to 8.92 x 19.96	Exponential: M, P, R, S  Weibull: B, C, D	Graded Reliability Low DC Leakage Temp. Stable Long Shelf Life
	M39003/02* CSR09	0.047 to 18	6 to 75	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.090 x .250 to .138 x .390	2.29 x 6.35 to 3.51 x 9.91	Exponential: M, P, R, S  Weibull: B, C, D	Graded Reliability Miniature Long Shelf Life
	M39003/04* CSR91	0.002 to 160	6 to 100	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.161 x .575 to .376 x 1.55	4.09 x 14.61 to 9.55 x 39.37	Exponential: M, P, R, S  Weibull: B, C, D	Non-polar Graded Reliability Low DC Leakage Long Shelf Life
	M39003/06* CSR33	1.2 to 1,000	6 to 50	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.135 x .286 to .351 x .786	3.43 x 7.26 to 8.92 x 19.96	Exponential: M, P, R, S  Weibull: B, C, D	Extended Range Graded Reliability Low DC Leakage Long Shelf Life
	M39003/09 CSR21	5.6 to 330	6 to 50	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.289 x .686 to .351 x .786	7.34 x 17.42 to 8.92 x 19.96	Exponential: M, P, R, S  Weibull: B, C, D	High Ripple Current Low Impedance Low ESR Low DC Leakage
	M39003/03 CSR23	1.2 to 1,000	6 to 50	$\pm$ 5%*  $\pm$ 20%	-55 to +125**	.135 x .286 to .351 x .786	3.43 x 7.26 to 8.92 x 19.96	Exponential: M, P, R, S  Weibull: B, C, D	Extend. Capacitance Graded Reliability Low DC Leakage Long Shelf Life

\*Product does not have a data sheet

\* $\pm$ 5% tolerance by special order only

\*\* Rated voltage is derated above 85  $^{\circ}$ C - see ratings table

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<b>Surface Mount</b>						<b>(L x W x H)</b>			
	T492* (CWR11)	0.1 to 47	4 to 35	$\pm$ 10  $\pm$ 20 only by special order	-55 to +125**	.126x.063x.063 to .287x.169x.110	3.20x4.29x1.60 to 7.29x4.29x2.79	Gen. Purpose Tape & Reel	EIA Standards IECQ Standards Molded
	T494*	0.68 to 470	2.7 to 20	$\pm$ 10  $\pm$ 20 only by special order	-55 to +125**	.126x.063x.047 to .287x.169x.079	3.20x4.29x1.19 to 7.29x4.29x2.01	Gen. Purpose Tape & Reel	EIA Standards IECQ Standards Molded
	T496*	0.15 to 100	4 to 50	$\pm$ 10  $\pm$ 20 only by special order	-55 to +125**	.138x.110x.075 to .287x.169x.157	3.51x2.79x1.91 to 7.29x4.29x3.99	Gen. Purpose Tape & Reel	EIA Standards IECQ Standards Molded

\*no data sheet available