

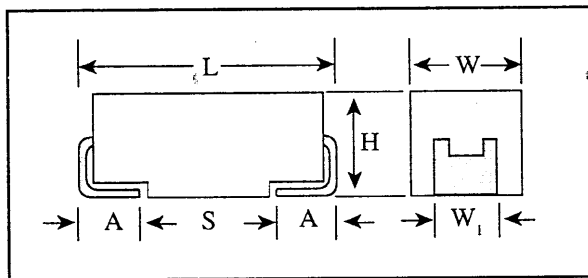
Technical Data

967-002 TO 967-312

Surface Mount Tantalum Capacitors - MCCT Series

Case Dimensions: Millimetres (Inches)							
Code	EIA Code	W+0.2 (0.008) -0.1 (0.004)	L±0.2 (0.008)	H+0.2 (0.008) -0.1 (0.004)	W ₁ ±0.2 (0.008)	A+0.3 (0.012) -0.2 (0.008)	S Min.
A	3216	1.6 (0.063)	3.2 (0.126)	1.6 (0.063)	1.2 (0.047)	0.8 (0.031)	1.1 (0.043)
B	3528	2.8 (0.110)	3.5 (0.138)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	3.2 (0.126)	6.0 (0.236)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	4.3 (0.169)	7.3 (0.287)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)

W₁ Dimension applies to the Termination width for a dimensional area only



Technical Data:

→ All Technical data relate to an ambient temperature of +25°C

Capacitance Range:

→ 0.1μF to 47μF

Capacitance Tolerance:

→ ±20%

Rated Voltage DC (V_R)

→ ≤ +85 °C:

6.3	10	16	20	25	35
8	13	20	26	33	46

Surge Voltage (V_S)

→ ≤ +85 °C:

Temperature Range:

→ -55°C to + 85°C

Environmental Classification:

→ 55 / 85 / 56 (IEC 68-2)

Dissipation Factor:

→ ≤0.04 for C_R ≤1.0μF
 → ≤0.06 for C_R >1.0μF

Reliability:

→ 1% per 1000 h. at 85°C with 0.1Ω/V series impedance, 60% confidence level.

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Multicomp Products available from

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Volt @ 85°C	Mftrs Part No.	Capacitance μ F	Case Size	DC Leakage (μ A max)	DF % max	ESR Max. (Ω) at 100kHz
6.3v	MCCTA355M006	3.3	A	0.5	6	7.0
	MCCTA106M006	10	A	0.6	6	4.0
	MCCTC226M006	22	C	1.4	6	2.0
	MCCTC476M006	47	D	3.0	6	1.1
10v	MCCTA475M010	4.7	A	0.5	6	5.0
	MCCTB685M010	6.8	B	0.7	6	3.0
	MCCTB106M010	10	B	1.0	6	2.5
16v	MCCTA105M016	1	A	0.5	4	11.0
	MCCTA155M016	1.5	A	0.5	6	8.0
	MCCTA225M016	2.2	A	0.5	6	6.5
	MCCTB475M016	4.7	B	0.8	6	3.5
	MCCTB106M016	10	B	1.6	6	2.8
	MCCTC226M016	22	C	3.5	6	1.6
	MCCTD336M016	33	D	5.3	6	0.9
	MCCTD476M016	47	D	7.5	6	0.9
20V	MCCTB225M020	2.2	B	0.5	6	3.5
	MCCTB335M020	3.3	B	0.7	6	3.0
	MCCTB475M020	4.7	B	1.0	6	3.0
	MCCTC685M020	6.8	C	1.4	6	2.0
	MCCTD226M020	22	D	4.4	6	0.9
25v	MCCTA105M025	1	A	0.5	4	8.0
	MCCTB225M025	2.2	B	0.6	6	4.5
	MCCTC106M025	10	C	2.5	6	1.8
35v	MCCTA104M035	0.1	A	0.5	4	24.0
	MCCTA224M035	0.22	A	0.5	4	18.0
	MCCTA334M035	0.33	A	0.5	4	15.0
	MCCTA474M035	0.47	A	0.5	4	12.0
	MCCTB105M035	1.0	B	0.5	4	6.5
	MCCTC225M035	2.2	C	0.8	6	3.5
	MCCTC475M035	4.7	C	1.6	6	2.2
	MCCTD685M035	6.8	D	2.4	6	1.3
	MCCTD106M035	10	D	3.5	6	1.0