

Bottom Electrode High Capacitance Tantalum Capacitors

TCS Series - M Case (0603 [1608]*)







The industry's first* 4V/100μF capacitor in the 0603 (1608)* size

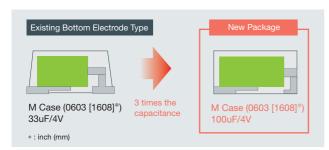
Product Outline

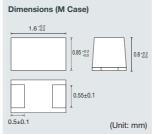
A high efficiency package design is utilized for a thinner, smaller form factor with higher capacitance. Ideal for compact sets requiring noise removal in power supply and audio coupling circuits, such as mobile phones, digital cameras/camcorders, and portable audio players.

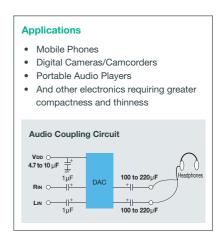
- * ROHM 11/2009 Survey

New package structure contributes to greater compactness, a lower profile, and higher capacitance

The new package type allows for a greater tantalum element that existing bottom electrode products and up to 3x the capacitance as conventional models (TCT Series).







Product Lineup

Capacitance	Capacitance (μF)	Rated DC Voltage (V) / Voltage Code						
Code		2.5 e	4 g	6.3 j	10 A	16 C	20 D	
а	10 (106)					M	Р	
е	15 (156)							
j	22 (226)				М	Р		
n	33 (336)							
S	47 (476)			М	Р			
W	68 (686)							
ā	100 (107)		М	Р				
ē	150 (157)				1			
j	220 (227)		Р					
ñ	330 (337)	Р				-		
							0805 [2012]*	

Product Specifications

105 Series -	M Case (00	* : inch (mm)			
Rated Voltage (V)	Capacitance (μF)	tand at 120Hz [25°C] (%)	Leakage Current at 25°C [5 min] (μA)	ESR at 100kHz (Ω)	Part No.
4	100	40	80	4	TCSM0G107x
6.3	47	40	29.7	4	TCSM0J476x
10	22	30	11.0	5	TCSM1A226x
16	10	20	8.0	6	TCSM1C106x

TCS Series - P Case (0805 [2012]*) *: inch (r						
	Rated Voltage (V)	Capacitance (μF)	tand at 120Hz [25°C] (%)	Leakage Current at 25°C [5 min] (μA)	ESR at 100kHz (Ω)	Part No.
ĺ	2.5	330	40	83	3	TCSP0E337x
	4	220	40	88	3	TCSP0G227x
	6.3	100	40	63	3	TCSP0J107x
	10	47	30	24	4	TCSP1A476x
	16	22	30	18	4	TCSP1C226x
Į	20	10	20	10	6	TCSP1D106x

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The content expectfied in this document is correct as of 4th Newember, 2009. The content specified in this document is correct as of 9th November, 2009.

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