

TANTALUM CAPACITORS

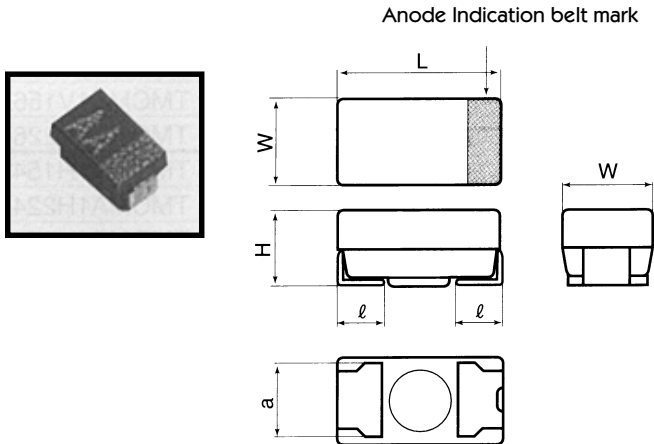
TMCP Series

•0805 Size Tantalum Chip Capacitors

The TMCP Series has been rendered even smaller due to the accumulated technological knowhow in manufacturing and production. It is now about 1/3 the cubic volume of the TMVS Series.

The TMCP is suitable for high-density packaging essential to Audio/Visual and other equipment downsizing.

Outline Drawings and Dimensions



TMCP Case Code Table

Case Code	Dimensions				
	L ± 0.2	W ± 0.2	H MAX	$\phi \pm 0.2$	a ± 0.1
P (0805)	2.0	1.25	1.2	0.5	0.9

For Specifications see Table on Page 152.

TMCM Product Markings

P Case Code (0805)	
<p>(Example 1) 6.3V 1μF</p> <p>Simplified code of nominal capacitance (A6 : 1μF) Anode Indication belt mark</p>	<ul style="list-style-type: none"> •When the capacitance code is the same, use the voltage code for higher rated voltage.
<p>(Example 2) 10V 1μF</p> <p>Simplified code of nominal capacitance (A : 1μF) Anode Indication belt mark Simplified code of rated voltage (A : 10V)</p>	<ul style="list-style-type: none"> •When indicating both rated voltage and nominal capacitance by code, omit the multiplier of the capacitance code. •The simplified code is subject to JIS C 5143, paragraph 10 and EIAJ RC-3813, paragraph 7.1.

Tantalum Capacitor Date Code Table

Month Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2000	n	p	q	r	s	t	u	v	w	n	n
2001	A	B	C	D	E	F	G	H	J	K	L	M
2002	N	P	Q	R	S	T	U	V	W	X	Y	Z
2003	a	b	c	d	e	f	g	h	j	k	l	m

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Rated Voltage (WVDC)	Part Number	Capacitance	Capacitance Tolerance	Tangent	Dimensions			Quantity	
					L x W* x H (±0.2) (±0.2) (MAX)	ℓ (±0.2)	a (±0.1)	180mm Dia. Reel	330mm Dia. Reel
2.5 Volts DC (Code: 0E)	TMCP0E225KTR	2.2	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E225MTR	2.2	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E335KTR	3.3	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E335MTR	3.3	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E475KTR	4.7	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E475MTR	4.7	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E685KTR	6.8	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E685MTR	6.8	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E106KTR	10.0	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E106MTR	10.0	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E156KTR	15.0	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E156MTR	15.0	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E226KTR	22.0	±10%	0.10	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0E226MTR	22.0	±20%	0.10	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
4 Volts DC (Code: 0G)	TMCP0G155KTR	1.5	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G155MTR	1.5	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G225KTR	2.2	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G225MTR	2.2	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G335KTR	3.3	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G335MTR	3.3	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G475KTR	4.7	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G475MTR	4.7	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G685KTR	6.8	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G685MTR	6.8	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G106KTR	10.0	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G106MTR	10.0	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G156KTR	15.0	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0G156MTR	15.0	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
TMCP0G226KTR	22.0	±10%	0.10	2.0 x 1.25 x 1.2	0.5	0.9	3000	–	
TMCP0G226MTR	22.0	±20%	0.10	2.0 x 1.25 x 1.2	0.5	0.9	3000	–	
6.3 Volts DC (Code: 0J)	TMCP0J105KTR	1.0	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J105MTR	1.0	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J155KTR	1.5	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J155MTR	1.5	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J225KTR	2.2	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J225MTR	2.2	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J335KTR	3.3	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J335MTR	3.3	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J475KTR	4.7	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J475MTR	4.7	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J685KTR	6.8	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J685MTR	6.8	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J106KTR	10.0	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP0J106MTR	10.0	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–

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Rated Voltage (WVDC)	Part Number	Capacitance	Capacitance Tolerance	Tangent	Dimensions			Quantity	
					L x W x H (±0.2) (±0.2) (MAX)	ℓ (±0.2)	a (±0.1)	180mm Dia. Reel	330mm Dia. Reel
10 Volts DC (Code: 1A)	TMCP1A684KTR	0.68	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A684MTR	0.68	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A105KTR	1.0	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A105MTR	1.0	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A155KTR	1.5	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A155MTR	1.5	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A225KTR	2.2	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A225MTR	2.2	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A335KTR	3.3	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A335MTR	3.3	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A475KTR	4.7	±10%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1A475MTR	4.7	±20%	0.08	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
16 Volts DC (Code: 1C)	TMCP1C474KTR	0.47	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1C474MTR	0.47	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1C684KTR	0.68	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1C684MTR	0.68	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1C105KTR	1.0	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1C105MTR	1.0	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
20 Volts DC (Code: 1D)	TMCP1D104KTR	0.10	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D104MTR	0.10	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D154KTR	0.15	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D154MTR	0.15	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D224KTR	0.22	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D224MTR	0.22	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D334KTR	0.33	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D334MTR	0.33	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D474KTR	0.47	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D474MTR	0.47	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D684KTR	0.68	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1D684MTR	0.68	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
25 Volts DC (Code: 1E)	TMCP1E473KTR	0.047	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1E473MTR	0.047	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1E683KTR	0.068	±10%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–
	TMCP1E683MTR	0.068	±20%	0.06	2.0 x 1.25 x 1.2	0.5	0.9	3000	–