









CA42 SERIES

DIPPED TANTALUM CAPACITOR

DIPPED TANTALUM CAPACITOR ▲ THT type

Standard industrial grade MnO₂

Meets or exceeds Standard IEX384-15-3 and GB7215-87

Laser marked resin case

Available on tape (ammopack or reel) or in bulk

Low leakage current version on request

SPECIFICATION

Item		Characteristics Note 1					
Related Documents		IEX384-15-3 ▲ GB7215-87					
Rated Temperature Range Note 2		-55°C to +125°C					
Capacitance Range	C _R	1μF to 1000μ	F				
Capacitance Tolerance	ΔC	±10% ▲ ±20%	6				
Rated Voltage Range	V_R	4V _{DC} to 50V _{DC}					
		-55°C	6 to 12%				
Dissipation Factor	tan δ	+25°C	4 to 10%				
Dissipation Factor	tano	+85°C	6 to 12%				
		+125°C	6 to 12%				
		Less than 0.0	$2 \times C_R \times V_R \text{ or } 1$	μΑ (whichever	is greater)		
Leakage Current Note 3	I _{LEAK}	On request Less than $0.01 \times C_R \times V_R$ or $0.5\mu A$ (whichever is greater)					
	Size/Code	Diameter	Height	Lead	Lead		
	Size/ code	Diameter	Ticigiit	Length	Diameter		
	Α	4.5mm	7.0mm	14±1mm	0.5±0.05mm		
Case Sizes	В	5.0mm	8.0mm	14±1mm	0.5±0.05mm		
- Case Sizes	С	5.5mm	9.5mm	14±1mm	0.5±0.05mm		
	D	6.5mm	11.0mm	14±1mm	0.5±0.05mm		
	E	8.5mm	12.5mm	14±1mm	0.5±0.05mm		
	F	9.5mm	16.0mm	14±1mm	0.5±0.05mm		

Notes:

- 1: All technical data measured at 25°C
- 2: Above 85°C voltage derating is required
- 3: The leakage current should be measured after 5 minutes application of rated voltage at 85°C. 125°C with voltage derating.

APPLICATIONS

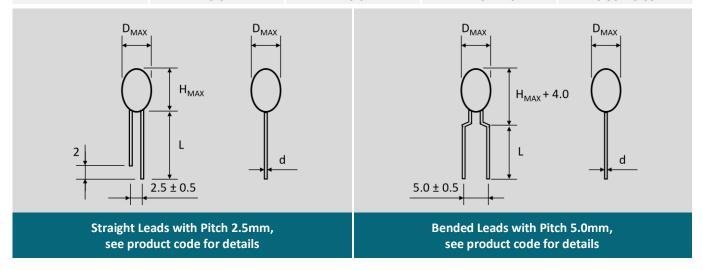


MGT ▲ Manufacturer Group of Technology



PACKAGE OUTLINE AND CASE DIMENSIONS

Case Code	D _{MAX} (mm)	H _{MAX} (mm)	L (mm)	d (mm)
А	4.5	7.0	14.0 ± 1.0	0.50 ± 0.05
В	5.0	8.0	14.0 ± 1.0	0.50 ± 0.05
С	5.5	9.5	14.0 ± 1.0	0.50 ± 0.05
D	6.5	11.0	14.0 ± 1.0	0.50 ± 0.05
E	8.5	12.5	14.0 ± 1.0	0.50 ± 0.05
F	9.5	16.0	14.0 ± 1.0	0.50 ± 0.05



CAPACITOR RATINGS AND CASE CODES

C _R	Capacitance			Rated \	Voltage V _R at 8	35°C (V)		
(μF)	Code	4	6.3	10	16	25	35	50
0.10	104						Α	Α
0.15	154						Α	Α
0.22	224						Α	Α
0.33	334						Α	Α
0.47	474						Α	Α
0.68	684						Α	Α
1.0	105				Α	Α	Α	В
1.5	155				Α	Α	Α	С
2.2	225			Α	Α	Α	В	С
3.3	335		Α	Α	Α	В	В	D
4.7	475	Α	Α	Α	В	В	С	D
6.8	685	Α	Α	В	В	С	D	E
10	106	Α	В	В	В	С	D	E
15	156	Α	В	С	С	D	E	F
22	226	В	С	С	С	D	E	F
33	336	В	С	D	D	E	F	
47	476	С	D	D	D	E	F	
68	686	D	D	D	E	F		
100	107	D	E	E	E	F		
150	157	E	E	E	F			
220	227	E	E	F				
330	337	F	F					



ELECTRICAL CHARACTERISTICS

V _R	C _R (μF)	Case Code	Max. I _{LEAK} (μΑ) ^{Note 1}	Max. tanδ (%) ^{Note 1}	Part Number ^{Note 2}
	4.7	Α	1	6	CA42-475 004 0
	6.8	Α	1	6	
	10	А	1	8	CA42-685 004 CA42-106 004 CA42-106 CA42
427	15	Α	1.2	8	CA42-156_004
4V _{DC}	22	В	1.8	8	CA42-226_004
(at 85°C)	33	В	2.6	8	CA42-336_004
2 5 1	47	С	3.8	8	CA42-476 004 0
2.5V _{DC}	68	D	5.4	8	CA42-686 004 0
(at 125°C)	100	D	8	10	CA42-107_004
	150	E	12	10	CA42-157_004
	220	Е	17.6	10	CA42-227 004 0
	330	F	26.4	10	CA42-227 004 00 00 00 00 00 00 00 00 00 00 00 00
	3.3	Α	1	6	CA42-335_006
	4.7	Α	1	6	CA42-475_006
	6.8	Α	1	6	CA42-685_006
	10	В	1.3	8	CA42-106_006
6.3V _{DC}	15	В	1.9	8	CA42-156_006
(at 85°C)	22	С	2.8	8	CA42-226, 006, 006
	33	С	4.2	8	CA42-336 006 00
4V _{DC}	47	D	5.9	8	CA42-476 006 00
(at 125°C)	68	D	8.6	8	CA42-686_006
	100	E	12.6	10	CA42-107_006
	150	E	18.9	10	CA42-107_006 CA42-157_006
	220	E	27.7	10	CA42-227 006 0
	330	F	41.6	10	CA42-337\[006\[\]
	2.2	Α	1	6	CA42-225 010 0
	3.3	Α	1	6	CA42-335_010
	4.7	Α	1	6	CA42-475_010
	6.8	В	1.4	6	
10V _{DC}	10	В	2	8	CA42-685_010 CA42-106_010
(at 85°C)	15	С	3	8	CA42-156 010 0
	22	С	4.4	8	CA42-226 010 0
6.3V _{DC}	33	D	6.6	8	
(at 125°C)	47	D	9.4	8	CA42-336_010 CA42-476_010
	68	D	13.6	8	CA42-686 010 0
	100	E	20	10	CA42-107 010 0
	150	E	30	10	
	220	F	44	10	CA42-157_010 CA42-227_010

All technical data measured at 25°C. Capacitance and loss test conditions: V = 1.7 to 2.2V, Vpartial = 0 to 1V (RMS), Measurement Note: 1 frequency: 100 (120)Hz. The leakage current should be measured after 5 minutes application of rated voltage at 85°C. 125°C with voltage derating.

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[:] Enter the appropriate capacitance tolerance code. K for ±10% or M for ±20%.
:Enter the appropriate leads pitch and packaging code. See product code description for details. 3



ELECTRICAL CHARACTERISTICS

V _R	C _R (μF)	Case Code	Max. I _{LEAK} (μΑ) ^{Note 1}	Max. tanδ (%) ^{Note 1}	Part Number Note 2
	1.0	Α	1	4	CA42-105_016
	1.5	Α	1	6	CA42-155_016
	2.2	А	1	6	CA42-225_016
	3.3	Α	1.1	6	CA42-335_016
16V _{DC}	4.7	В	1.5	6	CA42-475_016
(at 85°C)	6.8	В	2.2	6	CA42-685_016
(at 65 C)	10	В	3.2	8	CA42-106_016
10V _{DC}	15	С	4.8	8	CA42-156_016
(at 125°C)	22	С	7	8	CA42-226_016
(at 123 C)	33	D	10.6	8	CA42-336_016
	47	D	15	8	CA42-476_016
	68	E	21.8	8	CA42-686_016
	100	E	32	10	CA42-107_016
	150	F	48	10	CA42-157\[]016\[]\[]
	1.0	А	1	4	CA42-105 025 0
	1.5	Α	1	6	CA42-155_025
	2.2	А	1.1	6	CA42-225_025
	3.3	В	1.7	6	CA42-335_025
25V _{DC}	4.7	В	2.4	6	CA42-475 025 0
(at 85°C)	6.8	С	3.4	6	CA42-685_025
	10	С	5	8	CA42-106_025
16V _{DC}	15	D	7.5	8	CA42-156_025
(at 125°C)	22	D	11	8	CA42-226_025
	33	E	16.5	8	CA42-336_025
	47	E	23.5	8	CA42-476_025
	68	F	34	8	CA42-686_025
	100	F	50	10	CA42-107_025
	0.10	Α	1	4	CA42-104\[035\[\]
	0.15	А	1	4	CA42-154_035
	0.22	А	1	4	CA42-224_035
	0.33	Α	1	4	CA42-334_035
	0.47	А	1	4	CA42-474 035 0
	0.68	Α	1	4	CA42-684_035
35V _{DC}	1.0	Α	1	4	CA42-105_035
(at 85°C)	1.5	Α	1.1	6	CA42-155_035
	2.2	В	1.5	6	CA42-225 035 0
23V _{DC}	3.3	В	2.3	6	CA42-335_035
(at 125°C)	4.7	С	3.3	6	CA42-475 035 0
	6.8	D	4.8	6	CA42-685_035
	10	D	7	8	CA42-106_035
	15	E	10.5	8	CA42-156_035
	22	E	15.4	8	CA42-226_035
	33	F	23.1	8	CA42-336_035
	47	F	32.9	8	CA42-476_035

Note: All technical data measured at 25°C. Capacitance and loss test conditions: V = 1.7 to 2.2V, V_{partial} = 0 to 1V (RMS), Measurement 1 frequency: 100 (120)Hz. The leakage current should be measured after 5 minutes application of rated voltage at 85°C. 125°C with voltage derating.

^{☐:} Enter the appropriate capacitance tolerance code. K for ±10% or M for ±20%. ☐☐: Enter the appropriate leads pitch and packaging code. See product code description for details.



ELECTRICAL CHARACTERISTICS

V_R	C _R (μF)	Case Code	Max. I _{LEAK} (μΑ) ^{Note 1}	Max. tanδ (%) ^{Note 1}	Part Number ^{Note 2}
	0.10	А	1	4	CA42-104_050
	0.15	Α	1	4	CA42-154_050
	0.22	А	1	4	CA42-224_050
	0.33	Α	1	4	CA42-334_050
	0.47	Α	1	4	CA42-474_050
50V _{DC}	0.68	Α	1	4	CA42-684_050
(at 85°C)	1.0	В	1	4	CA42-105_050
	1.5	С	1.5	6	CA42-155_050
35V _{DC}	2.2	С	2.2	6	CA42-225_050
(at 125°C)	3.3	D	3.3	6	CA42-335_050
	4.7	D	4.7	6	CA42-475_050
	6.8	E	6.8	6	CA42-685_050
	10	E	10	8	CA42-106_050
	15	F	15	8	CA42-156_050
	22	F	22	8	CA42-226_050

Note:	1	All t

technical data measured at 25 °C. Capacitance and loss test conditions: V = 1.7 to 2.2V, V_{partial} = 0 to 1V (RMS), Measurement frequency: 100 (120)Hz. The leakage current should be measured after 5 minutes application of rated voltage at 85°C. 125°C with voltage derating.

[:] Enter the appropriate capacitance tolerance code. K for ±10% or M for ±20%.
:Enter the appropriate leads pitch and packaging code. See product code description for details.



PRODUCT MARKING

Mar		Details		
Straight Leads with Pitch 2.5mm	Bended Leads with Pitch 5.0mm	No.	Description	
1	1	1	Polarity (+) Anode side	
3 2	3 (7,5)	2	Rated voltage	
_ + 2.5 ± 0.5	5.0 ± 0.5	3	Capacitance (Code)	
16V ▲ 0.22μF	35V ▲ 0.22μF		Example	

PRODUCT CODE

Example: CA42 series \blacktriangle 10µF \blacktriangle 16V_{DC} \blacktriangle ±10% \blacktriangle Straight leads with pitch 2.5mm \blacktriangle Bulk

CA	42-	106		K		016		Α		l	В
Series		Capacitance Code ^{Note1} (pF)		Capacitance Tolerance (%)		Rated Voltage (V _{DC})		Leads Pitch (mm)			aging /pe
Code	Series	Code	μF	Code	Tol.	Code	VDC	Code	Pitch	Code	Туре
CA42-	CA42	104 564 225 686 337	0.1 0.56 2.2 68 330	K M	±10 ±20	004 006 010 016 025 035 050	4 6.3 10 16 25 35 50	A B	2.5 5.0	A B T	Ammo Tape Bulk Tape & Reel

Note: 1 Capacitance code expressed in pF. The first two digits represent significant figures.
The last digit specifies the total number of zeros to be added.



PACKAGING INFORMATION

	Bulk Package Pitch 2.5mm													
C _R (μF) V _R (V)	≤ 3.3	4.7	6.8	10	15	22	33	47	68	100	≥ 150			
4	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs			
6.3	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs			
10	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs			
16	1000 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs			
20	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs				
25	1000 pcs	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs				
35	1000 pcs	1000 pcs	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs						
50	1000 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs							

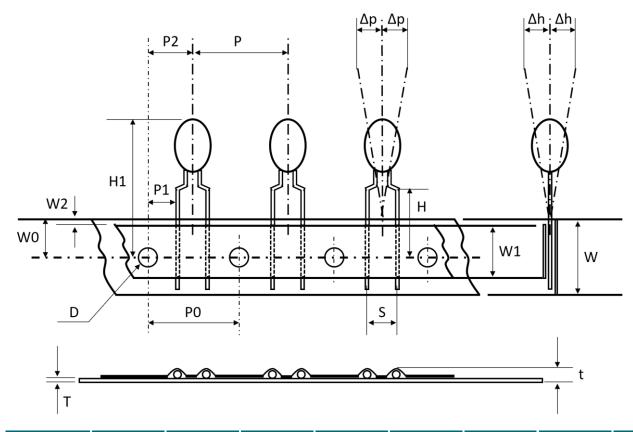
	Bulk Package Pitch 5mm													
C _R (μF)	≤ 10	15	22	33	47	68	100	150	220	330				
4	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs				
6.3	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs				
10	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs				
16	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs					
20	500 pcs	500 pcs	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs							
25	500 pcs	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs	200 pcs							
35	500 pcs	500 pcs	200 pcs	200 pcs	200 pcs									
50	500 pcs	200 pcs	200 pcs											

	Ammo Tape Package													
C _R (μF) V _R (V)	≤ 3.3	4.7	6.8	10	15	22	33	47	68	100	≥ 150			
4	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1500 pcs	1000 pcs			
6.3	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1000 pcs	1000 pcs	1000 pcs			
10	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1000 pcs	1000 pcs	1000 pcs			
16	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1000 pcs	500 pcs							
20	2000 pcs	1500 pcs	1500 pcs	1000 pcs	500 pcs									
25	2000 pcs	1500 pcs	1500 pcs	1000 pcs	500 pcs									
35	1500 pcs	1500 pcs	1500 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs							
50	1500 pcs	1500 pcs	1000 pcs	1000 pcs	1000 pcs	1000 pcs								

	Tape & Reel Package											
C _R (μF) V _R (V)	≤ 3.3	4.7	6.8	10	15	22	33	47	68	100	≥ 150	
4	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	
6.3	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	
10	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	
16	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1000 pcs					
20	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1500 pcs	1000 pcs	1000 pcs		
25	2000 pcs	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1500 pcs	1000 pcs	1000 pcs		
35	2000 pcs	2000 pcs	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1500 pcs	1000 pcs				
50	2000 pcs	2000 pcs	1500 pcs	1500 pcs	1500 pcs	1500 pcs						



TAPE DIMENSIONS ▲ All dimensions in mm



Symbol	P ± 1.0	P0 ± 0.3	W +1/-0.5	W0	H2 +0.75/-0.5	W2 ± 1.0	H1	D ± 0.2
Dimension	12.7	12.7	18.0	5 min.	9.0	0	32.5 max.	4.0

Symbol	Т	t	Δh	н	S = 2.5	S = 5.0	P2	A 12
Зушьог	± 0.2	± 0.2	± 2.0	± 0.5	P1 ± 0.5	P1 ± 0.5	± 0.4	Δр
Dimension	1.5	0.5	0	16.0	5.10 ± 0.5	3.85 ± 0.7	6.35	± 1.3 max.

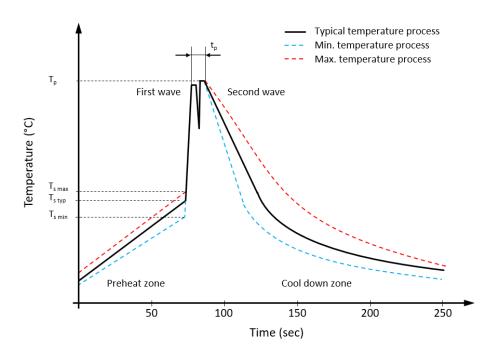


TECHNICAL SPECIFICATION

No.	Category	Specification										
1	Scope		This specification applies to DIPPED TANTALUM CAPACITORS for electronics applications. Reference standards: IEX384-15-3 ▲ GB7215-87									
2	Product Name	Dipped tantalum capacitors, Type CA42										
3	Testing Conditions	Room temperature Relative humidity Air pressure	15 to 35°C 45% to 75% 800mbar to 1060mbar									
4	Handling	The product is a polarized compon	It is mandatory to fully discharge capacitor to avoid failure test results. The product is a polarized component. It is prohibited to connect positive poles and negative poles reversely to avoid product performance failure.									re-
		Item	Characteris	stics			Tes	ting N	/letho	od		
	Checking List	Drawing and dimension	See package outline and case dimensions				Mea	asure		h Ver	nier Ca	liper
		Appearance	Correct marking, clear, no pin- hole, no burr, no damage			Visual examination						
		Leakage current (I _{LEAK})	Less than $0.02 \cdot C \cdot V$ or $1 \mu A$ (whichever is greater) On request Less than $0.01 \cdot C \cdot V$ or $0.5 \mu A$ (whichever is greater)					DC leakage current is the current that, after 5 minutes charging period, flows through a capacitor when voltage measures at 25°C with rated DC voltage applied to the capacitor in series connection with $1k\Omega$ resistor. Read value.				ging pacitor : 25°C lied to nec-
		Capacitance tolerance (ΔC)	± 10% (K); ± 20% (M)					Measurement frequency: 100Hz Voltage: 0.3 ± 0.02V				
5			C_R : $\leq 1\mu F$ tan $\delta \leq 4\%$			Measurement frequency: 100Hz						
J	CHECKING LIST	Dissipation factor (tan δ)	C_R : 1.5 to 6.8 μ F									
		Dissipation factor (tall 6)	C_R : 10 to $68\mu F$ tan $\delta \le 8\%$						0.3 ±	0.02\	/	
			C_R : $\geq 100 \mu F$ $tan \delta \leq 10\%$					Solder temperature: 235 ± 5°C				
		Solderability	Soldering coverage rate ≥ 95%		95%					t. 233 <u>1</u> t 0.5s	. 5 C	
			Capaci-	Change of Capacitance (ΔC) Capaci- (%)			Max. tan δ Max.			x. I _{LEAK} μΑ)		
		Temperature performance	tance (μF)	-55°C	+85°C	+125°C	-55°C	+25°C	+85°C	+125°C	+85°C	+125°C
			≤ 1.0				6	4	6	6		ń
			1.5 to 6.8	C	±15	+25	8	6	8	8	10 · ILEAK_25°C	12.5 · ILEAK_25°C
			10 to 68	+10			10	8	10	10	0 · 1 _{LE}	5 - 1
			≥ 100				12	10	12	12	H	10



RECOMMENDED WAVE SOLDERING PROFILE A THT PACKAGE



Profile Features		Value • Sn-Pb Assembly	Value • Pb-free Assembly			
Preheat temperature min.	$T_{s min}$	100 °C	100 °C			
Preheat temperature typical	T _{s typ}	120 °C	120 °C			
Preheat temperature max.	$T_{s max}$	130 °C	130 °C			
Preheat time t_s from T_{smin} to T_{smax}	ts	70 seconds	70 seconds			
Peak temperature	Tp	235 °C to 260 °C	245 °C to 260 °C			
Time of actual peak temperature	t _p	Max. 10 seconds Max. 5 second each wave	Max. 10 seconds Max. 5 second each wave			
Ramp-down date min.		~ 2 °C/second	~ 2 °C/second			
Ramp-down rate typical		~ 3.5 °C/second	~ 3.5 °C/second			
Ramp-down rate max.		~ 5 °C/second	~ 5 °C/second			
Time 25°C to 25°C		4 minutes	4 minutes			

SOLDERING SUGGESTIONS

When solder a capacitor, heat in soldering is conducted to the element of the capacitor from wire lead and an enclosure, and hence it should be noted that soldering under high temperature and a long period may cause deterioration of breakdown of capacitors. Be sure to solder within the recommended temperature condition range.

HAND SOLDERING

- a.) Soldering iron top temperature: ≤ 350°C
- b.) Soldering time: ≤ 3sec

If re-work or dipping twice in necessary, it should be done after the capacitor returned to the normal temperature.

Suggestion time is 24 hours.

THT capacitors are not suitable for reflow soldering.



CORRECT USE OF DIPPED TANTALUM CAPACITORS

No.	Category	Specification							
		The ripple voltage that may be applied is limited by two criteria:							
1	Ripple voltage	[a] The sum of DC voltage and peak value of the ripple voltage must not exceed the rated voltage.							
		IDI	The negative peak value of the ripple voltage must not exceed the permissible reverse voltage value specified in the following section, Reverse Voltage.						
		Because the solid tantalum capacitor is a polarized type, do not apply a reverse voltage to it. If reverse voltage cannot be avoided, it must be applied for a short time and must not exceed the following values:							
2	Reverse Voltage	25°C		10% max. of rated voltage or 1V _{DC} , whichever is smaller					
_	neverse voltage	85°C		5% max. of rated voltage or 0.5V _{DC} , whichever is smaller					
		125°C		1% max. of rated voltage or $0.1V_{\text{DC}}$, whichever is smaller					
		The capacit	tors should not be opera	ted continuously in reverse mode, even within these limits.					
	Applied Voltage	(1) Fo	or general application, ap	ply 70% or less of the rated voltage to the capacitor.					
		(2) WI	When the canacitor is used in a nower line or a low impedance circuit, keep the applied voltage						
			3) Derated voltage at 85°C or more.						
3		$\begin{array}{c} V_{T} \\ 12 \\ V_{T} \\ \end{array} \tag{4} \\ \begin{array}{c} W_{I} \\ V_{R} \\ V_{C} \\ V_{T} \end{array}$		5°C °C (V) en 85°C to 125°C					
4	Current (Series Resistance)	Reliability of tantalum capacitor is increased by inserting a series resistance of at least $3\Omega/V$ into circuits where current flow is momentary (switching circuit, charge/discharge circuits, etc) .If the capacitor is in a low impedance circuit, the voltage applied to the capacitor should be less than 1/2 to 1/3 of DC rated voltage.							
5	Risk of Short Circuit	Manganese oxide tantalum capacitor (conventional tantalum capacitor) is heated and may generate fire and be burned depending upon its excess current, time and other factors. When design the circuit, provide as much margin as possible to maintain capacitor reliability.							
6	Product Soldering	See details in our recommended wave soldering profile.							



REVISION TABLE

Revision	Date	Status	Notes
001	26/06/2022	Initial release	Initial publication

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