

CA-1 Solid Tantalum Capacitors.

SINOCAPA®



TYPE CA-1

Solid Tantalum Capacitors

Military Established Reliability Solid-Electrolyte Hermetically Sealed Tantalum Capacitors

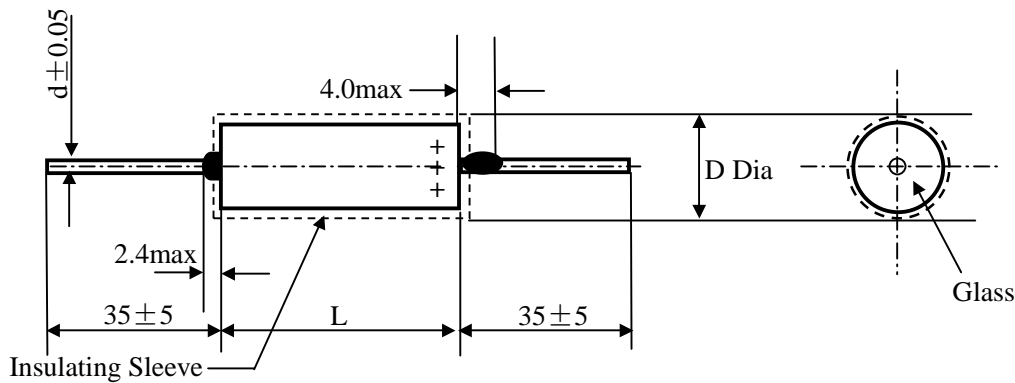
The only imported production line from Tansitor of USA in china. The line passed the certification of national military stand. The series of Metal case. outline dimensions, rated voltage, nominal capacitance equal to MIL-C-39003 qualified styles CLR65 01 03 06 09 .According with GJB64A-91 《The general specification of Military Established Reliability Solid-Electrolyte Hermetically Sealed Tantalum Capacitors》 and Q/MM1001-92 Military factory requirement. suitable for military electronic equipment reliability established.

When ordering these parts, care must be exercised that the correct failure rate lever.

FEATURES

Hermetically sealed. Metal cased. Axial lead. Tubular.

DIMENSIONAL CONFIGURATIONS AND MARKING (UNIT:MM)



CASE SIZE	BARE CASE		WITH INSULATING SLEEVE		MAX WEIGHT GRAMS	d
	D ± 0.4	L ± 0.8	D(MAX)	L(MAX)		
A	3.2	6.5	3.9	8.2	0.7	0.5
B	4.5	11.0	5.2	12.7	2.3	0.5
C	7.0	16.5	7.7	18.2	6.5	0.6
D	8.6	19.0	9.3	20.7	11	0.6

CA-1 Solid Tantalum Capacitors.

STANDARD/EXTENDED RATINGS:CA-1							
CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
A	5.6	6	0.3	3.4	4.2	4	4
A	6.8	6	0.4	4.1	5.1	6	6
B	47	6	2.8	28.2	35.3	6	6
B	56	6	3.4	33.6	42.0	6	6
C	150	6	9.0	90.0	112.5	8	8
C	180	6	10.8	108.0	135.0	8	8
D	270	6	16.2	162.0	202.5	8	8
D	330	6	19.8	198.0	247.0	8	8
D	390	6	23.4	234.0	292.5	10	10
D	470	6	28.2	282.0	252.5	10	10
A	3.9	10	0.4	3.9	4.9	4	4
A	4.7	10	0.5	4.7	5.9	4	4
B	27	10	2.7	27.0	33.8	6	6
B	33	10	3.3	33.0	41.3	6	6
B	39	10	3.9	39.0	48.8	6	6
C	82	10	8.2	82.0	102.5	6	6
C	100	10	10.0	100.0	125.0	8	8
C	120	10	12.0	120.0	150.0	8	8
D	150	10	15.0	150.0	187.5	8	8
D	180	10	18.0	180.0	225.0	8	8
D	220	10	22.0	220.0	275.0	8	8
D	270	10	27.0	270.0	337.5	8	8
D	330	10	33.0	330.0	412.5	8	8
A	2.7	15	0.4	4.0	5.1	4	4
A	3.3	15	0.5	5.0	6.2	4	4
B	18	15	2.7	27.0	33.8	6	6
B	22	15	3.3	33.0	41.3	6	6
C	56	15	8.4	84.0	105.0	6	6
C	68	15	10.2	102.0	127.5	6	6
D	82	15	12.3	123.0	153.8	6	6
D	100	15	15.0	150.0	187.5	8	8

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STANDARD/EXTENDED RATINGS:CA-1							
CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
D	120	15	18.0	180.0	225.0	8	8
D	150	15	22.5	225.0	281.3	8	8
D	180	15	27.0	270.0	337.5	8	8
A	1.2	20	0.2	2.4	3.0	4	4
A	1.5	20	0.3	3.0	3.8	4	4
A	1.8	20	0.4	3.6	4.5	4	4
A	2.2	20	0.4	4.4	5.5	4	4
B	8.2	20	1.6	16.4	20.5	6	6
B	10	20	2.0	20.0	25.0	6	6
B	12	20	2.4	24.0	30.0	6	6
B	15	20	3.0	30.0	37.5	6	6
C	27	20	5.4	54.0	67.5	6	6
C	33	20	6.6	66.0	82.5	6	6
C	39	20	7.8	78.0	97.5	6	6
C	47	20	9.4	94.0	117.5	6	6
D	56	20	11.2	112.0	140.0	6	6
D	68	20	13.6	136.0	170.0	6	6
D	82	20	16.4	164.0	205.0	6	6
D	100	20	20.0	200.0	250.0	8	8
D	120	20	24.0	240.0	300.0	8	8
A	0.47	35	0.3	1.6	2.1	2	4
A	0.56	35	0.3	2.0	2.5	2	4
A	0.68	35	0.3	2.4	3.0	2	4
A	1.0	35	0.4	3.5	4.4	2	4
B	1.2	35	0.4	4.2	5.3	4	4
B	1.5	35	0.5	5.3	6.6	4	4
B	1.8	35	0.6	6.3	7.9	4	4
B	2.2	35	0.8	7.7	9.6	4	4
B	2.7	35	0.9	9.5	11.8	4	4
B	3.3	35	1.2	11.6	14.4	4	4
B	3.9	35	1.4	13.7	17.1	4	4

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STANDARD/EXTENDED RATINGS:CA-1							
CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
B	4.7	35	1.6	16.5	20.6	4	4
B	5.6	35	2.0	19.6	24.5	4	4
B	6.8	35	2.4	23.8	29.8	6	6
C	8.2	35	2.9	28.7	35.9	6	6
C	10	35	3.5	35.0	43.8	6	6
C	12	35	4.2	42.0	52.5	6	6
C	15	35	5.3	52.5	65.6	6	6
C	18	35	6.3	63.0	78.8	6	6
C	22	35	7.7	77.0	96.3	6	6
D	27	35	9.5	94.5	118.1	6	6
D	33	35	11.6	115.5	144.4	6	6
D	39	35	13.7	136.5	170.6	6	6
D	47	35	16.5	164.5	205.6	6	6
D	56	35	19.6	196.0	245.0	6	6
D	68	35	23.8	238.0	297.5	6	6
A	0.047	50	0.3	0.3	0.3	2	4
A	0.056	50	0.3	0.3	0.4	2	4
A	0.068	50	0.3	0.3	0.4	2	4
A	0.082	50	0.3	0.4	0.5	2	4
A	0.1	50	0.3	0.5	0.6	2	4
A	0.12	50	0.3	0.6	0.8	2	4
A	0.15	50	0.3	0.8	0.9	2	4
A	0.18	50	0.3	0.9	1.1	2	4
A	0.22	50	0.3	1.1	1.4	2	4
A	0.27	50	0.3	1.4	1.7	2	4
A	0.33	50	0.3	1.7	2.1	2	4
A	0.39	50	0.3	2.0	2.4	2	4
A	0.47	50	0.3	2.4	2.9	2	4
A	0.56	50	0.3	2.8	3.5	2	4
A	0.68	50	0.3	3.4	4.3	2	4
A	0.82	50	0.4	4.1	5.1	2	4

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CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
A	1.0	50	0.5	5.0	6.3	2	4
B	1.2	50	0.6	6.0	7.5	4	4
B	1.5	50	0.8	7.5	9.4	4	4
B	1.8	50	0.9	9.0	11.3	4	4
B	2.2	50	1.1	11.0	13.8	4	4
B	2.7	50	1.4	13.5	16.9	4	4
B	3.3	50	1.7	16.5	20.6	4	4
B	3.9	50	2.0	19.5	24.4	4	4
B	4.7	50	2.4	23.5	29.4	4	4
C	5.6	50	2.8	28.0	35.0	4	4
C	6.8	50	3.4	34.0	42.5	6	6
C	8.2	50	4.1	41.0	51.3	6	6
C	10	50	5.0	50.0	62.5	6	6
C	12	50	6.0	60.0	75.0	6	6
C	15	50	7.5	75.0	93.8	6	6
C	18	50	9.0	90.0	112.5	6	6
D	22	50	11.0	110.0	137.5	6	6
A	0.1	75	0.3	0.8	0.9	2	4
A	0.12	75	0.3	0.9	1.1	2	4
A	0.15	75	0.3	1.1	1.4	2	4
A	0.18	75	0.3	1.4	1.7	2	4
A	0.22	75	0.3	1.7	2.1	2	4
A	0.27	75	0.3	2.0	2.5	2	4
A	0.33	75	0.3	2.5	3.1	2	4
A	0.39	75	0.3	2.9	3.7	2	4
A	0.47	75	0.4	3.5	4.4	2	4
A	0.56	75	0.4	4.2	5.3	2	4
A	0.68	75	0.5	5.1	6.4	2	4
B	0.82	75	0.6	6.2	7.7	2	4
B	1.0	75	0.8	7.5	9.4	2	4
B	1.2	75	0.9	9.0	11.3	4	4

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CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
B	1.5	75	1.1	11.3	14.1	4	4
B	1.8	75	1.4	13.5	16.9	4	4
B	2.2	75	1.7	16.5	20.6	4	4
B	2.7	75	2.0	20.3	25.3	4	4
B	3.3	75	2.5	24.8	30.9	4	4
B	3.9	75	2.9	29.3	36.6	4	4
C	4.7	75	3.5	35.3	44.1	4	4
C	5.6	75	4.2	42.0	52.5	4	4
C	6.8	75	5.1	51.0	63.8	6	6
C	8.2	75	6.2	61.5	76.9	6	6
C	10	75	7.5	75.0	93.8	6	6
D	12	75	9.0	90.0	112.5	6	6
D	15	75	11.3	112.5	140.6	6	6
A	0.047	100	0.3	0.5	0.6	2	4
A	0.056	100	0.3	0.6	0.7	2	4
A	0.068	100	0.3	0.7	0.9	2	4
A	0.082	100	0.3	0.8	1.0	2	4
A	0.1	100	0.3	1.0	1.3	2	4
A	0.12	100	0.3	1.2	1.5	2	4
A	0.15	100	0.3	1.5	1.9	2	4
A	0.18	100	0.3	1.8	2.3	2	4
A	0.22	100	0.3	2.2	2.8	2	4
A	0.27	100	0.3	2.7	3.4	2	4
A	0.33	100	0.3	3.3	4.1	2	4
A	0.47	100	0.5	4.7	5.9	2	4
A	0.56	100	0.6	5.6	7.0	2	4
B	0.68	100	0.7	6.8	8.5	2	4
B	0.82	100	0.8	8.2	10.3	2	4
B	1.0	100	1.0	10.0	12.5	2	4
B	1.2	100	1.2	12.0	15.0	4	4
B	1.5	100	1.5	15.0	18.8	4	4

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STANDARD/EXTENDED RATINGS:CA-1							
CASE CODE	CAPACITANCE uF	RATED VOT @ 85°C	MAX DCL(μ A) @			MAX DF (%) @	
			25°C	85°C	125°C	-55°C +25°C	+85°C 125°C
B	1.8	100	1.8	18.0	22.5	4	4
B	2.2	100	2.2	22.0	27.5	4	4
B	2.7	100	2.7	27.0	33.8	4	4
C	3.3	100	3.3	33.0	41.3	4	4
C	3.9	100	3.9	39.0	48.8	4	4
C	4.7	100	4.7	47.0	58.8	4	4

HOW TO ORDER					
CA-1 Tape	106 Capacitance	M Tolerance	035 DC voltage	C Case code	M Failure Rate
Military Established Reliability Solide -Electrolyte Hermetically Sealed Tantalum Capacitors	106= 10X10 ⁶ (pF) This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	M=±20% K=±10% J=±5%	Rated Voltage 6V=006 10V=010 15V=015 20V=020 35V=035 50V=050 75V=075 100V=100		Failure rate lever 1%/1000HR M 0.1%/1000HR P 0.01%/1000HR R 0.001%/1000HR S 0.1%/1000HR B 0.01%/1000HR C 0.001%/1000HR D

We can offer all kinds of Solide-electrolyte tantalum capacitor according customer's requirement.

We can offer Solid-electrolyte tantalum capacitor according vishay's part number .