

# CA Solid Tantalum Capacitors.

# SINOCAPA®



## TYPE CA

### Solid Tantalum Capacitors

#### Military Established Reliability Solid-Electrolyte Hermetically Sealed Tantalum Capacitors

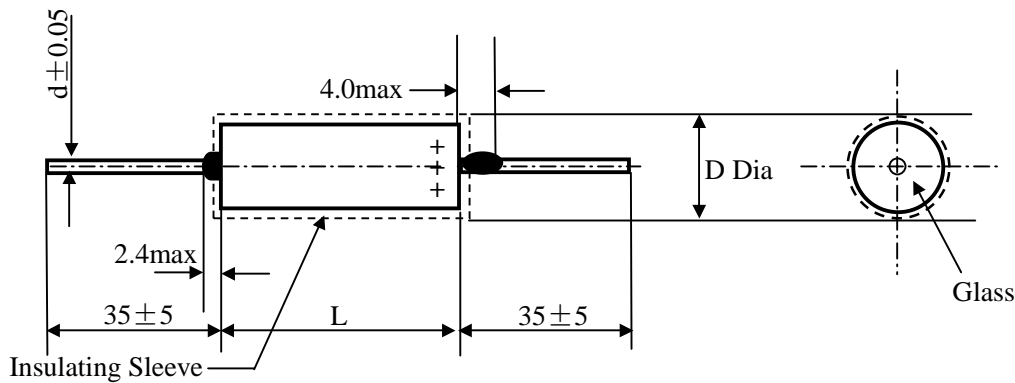
The only imported production line from Tansitor of USA in china. The line passed the certification of national military stand. The series of Metal case. outline dimensions, rated voltage, nominal capacitance according GJB63A-91, The electricity performance parameter equal to MIL-C-39003 qualified styles 01 03 06 09 .According with GJB63A-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 ± 0.5	L ± 2	D(MAX)	L(MAX)		
1	3.2	8	4.0	10	0.7	0.5
2	5	12	5.8	14	2.3	0.6
3	6	14	6.8	16	3.0	0.6
4	8	14	8.8	16	4.0	0.8
5	8	22	8.8	24	8.0	0.8

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## PERFORMANCE CHARACTERISTICS:CA

### Operating Temperature:

- 55°C to + 125°C.(To + 125°C with voltage derating)

### DC Leakage Current (DCL Max.):

Leakage current shall not exceed the values listed in the Standard Ratings Tables.

### Capacitance Tolerance:

At 100 Hz, + 25°C. ± 20%, ± 10% standard. ± 5%, special order.

### Temperature Performance

Capacitance (uF)	MAX									
	Capacitance change (%)			Max D.F.(%)				Max DCL (uA)		
	-55°C	+85°C	+125°C	-55°C	+25°C	+85°C	+125°C	+25°C	+85°C	+125°C
1.0	±8	±8	±12	2	2	4	4	$I_{0=}$ 0.01C <sub>R</sub> U <sub>R</sub> or 0.5 (uA) whichever is greater	10I <sub>0</sub>	12.5I <sub>0</sub>
1.5~4.7				4	4	4	4			
6.8-68				6	6	6	6			
100~330				8	8	8	8			
470				10	10	10	10			

## STANDARD RATINGS:CA

RATED VOL	6.3	10	16	25	32	40	63
DERATING VOL	4	6.3	10	16	20	25	40
CASE CODE	CAPACITANCE (μ F)						
1	1.0	0.68	0.33	0.33	0.22	0.22	0.1 0.15 0.22 0.33 0.47
	1.5	1.0	0.47	0.47	0.33	0.33	
	2.2	1.5	0.68	0.68	0.47	0.47	
	3.3	2.2	1.0	1.0	0.68	0.68	
	4.7	3.3	1.5	1.5	1.0	1.0	
	6.8	4.7	2.2	2.2	1.5	1.5	
	10	6.8	3.3				
2	15	10	4.7	3.3	2.2	1.5	0.68 1.0 1.5 2.2 3.3
	22	15	6.8	4.7	3.3	2.2	
	33	22	10	6.8	4.7	3.3	
	47	33	15	10	6.8	4.7	
	68	47	22	15	10	6.8	
			33				
3	100	68	47	22	15	10	4.7
		100	68	33		15	
4	150	150	100	47	22	22	6.8 10
	220			68	33	33	
5	330	220	150	100	47	47	15 22
	470	330	220		68		

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HOW TO ORDER					
CA 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 <sup>6</sup> (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 Solid-electrolyte tantalum capacitor according customer's requirement.

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