



TANTALUM ELECTROLYTIC CAPACITORS

(Industrial Use Axial Type)

CS02H-SERIES (Hermetically Sealed Tantalum Solid Electrolytic Capacitors)

● Specifications

Operating temperature range: $-55 \sim +125^{\circ}\text{C}$

Capacitance tolerance: $\pm 10\%$, $\pm 20\%$

Leakage current: 0.01CV or $0.5(\mu\text{A})$ whichever is the greater



● Features

High reliability.

Reliability level: less than $0.5\%/1,000\text{h}$ with 85°C RV.

Suitable use for automobile, communication system & other industry.

● Standard Rating ($\phi\text{D} \times \text{L mm}$)

Vdc (code) μF (code)	6.3 (0J)	10 (1A)	16 (1C)	20 (1D)	25 (1E)	35 (1V)	50 (1H)	75 (1Z)	100 (2A)	125 (2B)
0.1 (R10)						3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3
0.15 (R15)						3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3
0.22 (R22)						3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3
0.33 (R33)						3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3
0.47 (R47)						3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3	3.15×6.3
0.68 (R68)						3.15×6.3	3.15×6.3	3.15×6.3	4.5×11.8	4.5×11.8
1 (010)						3.15×6.3	3.15×6.3	4.5×11.8	4.5×11.8	4.5×11.8
1.5 (1R5)					3.15×6.3	4.5×11.8	4.5×11.8	4.5×11.8	4.5×11.8	4.5×11.8
2.2 (2R2)				3.15×6.3		4.5×11.8	4.5×11.8	4.5×11.8	4.5×11.8	4.5×11.8
3.3 (3R3)			3.15×6.3		4×9	4.5×11.8	4.5×11.8	4.5×11.8	7.1×16	
4.7 (4R7)		3.15×6.3		4×9		4.5×11.8	4.5×11.8	7.1×16	7.1×16	
6.8 (6R8)	3.15×6.3		4×9			4.5×11.8	7.1×16	7.1×16	7.1×16	
10 (100)		4×9			4.5×11.8	6.3×12.5	7.1×16	7.1×16		
15 (150)	4×9			4.5×11.8	6.3×12.5	7.1×16	7.1×16			
22 (220)			4.5×11.8	6.3×12.5		7.1×16	9×20			
33 (330)		4.5×11.8	6.3×12.5		7.1×16	9×20				
47 (470)	4.5×11.8	6.3×12.5		7.1×16		9×20				
68 (680)	6.3×12.5		7.1×16		9×20					
100 (101)		7.1×16		9×20						
150 (151)	7.1×16		9×20							
220 (221)		9×20								
330 (331)	9×20									

Part Numbering System: CS02H [V. Code] [C. Code] [Cap. Tol. Code $\pm 10\%$: K $\pm 20\%$: M]

(Bi-polar Type Tantalum Solid Electrolytic Capacitors)

NP-ST-SERIES (Axial Type)

NP-SU-SERIES (Radial Type)

M30003/01(CSR13), M39003/02(CSR09), M39003/03(CSR23), M39003/04(CSR91)

(Defense agency approval)

TPA, TZA-SERIES (Foil Tantalum Electrolytic Capacitors)

TLS-SERIES (Wet Tantalum Electrolytic Capacitors)

(Wet Tantalum Electrolytic Capacitors)

MIL-C-3965D MIL-C-3965/4F (CL65)