

## Tantalum Solid Electrolytic Capacitors Axial Type (Metal case)

### Features:

- Solid electrolytic.
- Polar type.
- Hermetically sealed metal cases.
- Axial leads.
- General purpose-extended range.



### SPECIFICATION:

Item	Performance Characteristics																																													
Operating Temperature Range	-55 to + 125°C																																													
Rated Working Voltage Range	6.3 to 35 V DC																																													
Nominal Capacitance Range	1.0 to 470 µF																																													
Capacitance Tolerance	±20% (120Hz, +20°C) ± 10%																																													
Leakage Current	Not more than 0.01CV [µA] or 0.5µA whichever is greater																																													
Characteristics at High and LOW Temperature	Capacitance C <sub>r</sub> (µF)	Capacitance Change(%)			DF Max.(%)				DCL Max.(µF)																																					
		-55°C	+85°C	+125°C	-50°C	+20°C	+85°C	+125°C	+20°C	+85°C	+125°C																																			
	≤1.0	±8	±8	±12	6	4	6	6	1.50.02 C <sub>u</sub> Li <sub>2</sub> (or) 1µF (whichever is greater)	10I <sub>0</sub>	12.5I <sub>0</sub> (1)																																			
	1.5~68				8	6	8	8																																						
	100~680				12	10	12	12																																						
470	15				12	15	15																																							
Moisture Resistance	Test conditions																																													
	Relative humidity : 90 to 95% without load																																													
	Ambient temperature : +60°C																																													
	Duration : 1000 hours																																													
	Post test requirements at + 20°C																																													
	Leakage current : ≤ 0.1 CV or 5[µA], whichever is greater																																													
Capacitance change : ± 10% of initial measured value																																														
tan δ : ≤ 200% of initial specified value																																														
Endurance	Test conditions																																													
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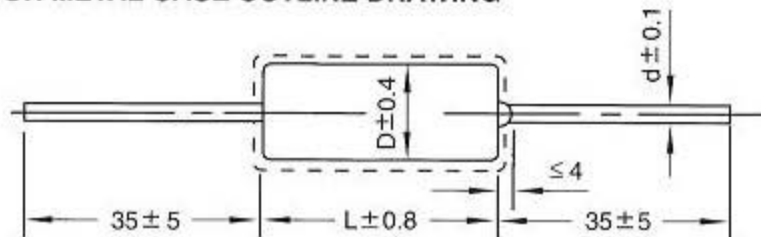
# TAS Series



## Tantalum Solid Electrolytic Capacitors Axial Type (Metal case) Explanation of part Numbers

TAS	A	335	M	016	B
Series Code	Case Size	Nominal Capacitance	Capacitance Tolerance	Rated Voltage	Packing

### TANTALUM CAPACITOR METAL CASE OUTLINE DRAWING



### Dimensions Millimeters mm

Case Size	A	B	C	D
D x L	3.2 x 8	5 x 12	6 x 14	8 x 14
d ± 0.1	0.4	0.6	0.6	0.8

### Rated Voltage, Capacitance of Capacitors.

Rated Voltage (V)	6.3	10	16	25	35
Code	0J	1A	1C	1E	1V
Capacitance (μF)	Case Size				
1.0 (105)					A
1.5 (155)					A
2.2 (225)			A	A	A
3.3 (335)			A	A	B
4.7 (475)		A	A	B	B
6.8 (685)		A	A	B	B
10 (106)	A	A	B	B	B
15 (156)	A	B	B	B	B
22 (226)	B	B	B	B	C
33 (336)	B	B	B	C	C
47 (476)	B	B	B	C	
68 (686)	B	B	C	D	
100 (107)	B	C	C	D	
150 (157)	C	C	D		
220 (227)	C	D			
330 (337)	D	D			
470 (477)	D				