

CD117/CD117H SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- CD117: Load life of 1000 hours at 85°C
- CD117H: Load life of 1000 hours at 105°C
- High stability, low dissipation factor, Low leakage current
- Used in high stability circuits.



SPECIFICATIONS

Item	Characteristics				
Operating Temperature Range(°C)	-40~+85(CD117H: -40~+105)				
Rated Voltage Range (V)	10~50				
Nominal capacitance range (μF)	0.47~47				
Capacitance Tolerance(20°C,120Hz)	±20%				
Leakage current (μA)	I ≤ 0.01CV+3 (at 20°C, after 2 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)				
Dissipation Factor(20°C,120Hz)	Rated Voltage (V)	10	16	25	50
	tanδ	0.10	0.10	0.10	0.08
Temperature characteristics(120Hz)	Z-40°C/Z+20°C ≤ 4				
Load Life(+85°C, CD117H:+105°C)	Time	1000 hours.			
	Leakage Current	Not more than the specified value.			
	Capacitance Change	Within ±20% of the initial value.			
	Dissipation Factor	Not more than 200% of the specified value.			
Shelf Life(+85°C, CD117H:+105°C)	Time	1000 hours.			
	Leakage Current	Not more than the specified value.			
	Capacitance Change	Within ±20% of the initial value.			
	Dissipation Factor	Not more than 200% of the specified value.			

After test: Rated voltage to be applied for 30 minutes, 24 to 48 hours before measurement.

DIMENSIONS

MM

Lead spacing and diameter

φD	±0.5		±1.0	
	6.3	8	10	12.5
F±0.5	2.5	3.5	5	
φd±0.1	0.5		0.6	
a	0~+2.0			

STANDARD RATINGS

WV	10	16	25	50
Cap(μF)	Size		Size	
	φDxL(mm)		φDxL(mm)	
0.47	-	-	-	6.3X11
1	-	-	6.3X11	6.3X11
2.2	-	6.3X11	6.3X11	6.3X11
3.3	-	6.3X11	6.3X11	6.3X11
4.7	6.3X11	6.3X11	6.3X11	8X11.5
10	8X11.5	8X11.5	10X12.5	10X16
22	10X12.5	10X12.5	10X16	10X20
33	10X16	10X16	10X20	12.5X20
47	10X20	10X20	12.5X20	-

■ The specific capacitance and case size are available on request.