

CD50Z SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 105°C
- 5mm height
- Low impedance, wide temperature
- Used in high-density circuits

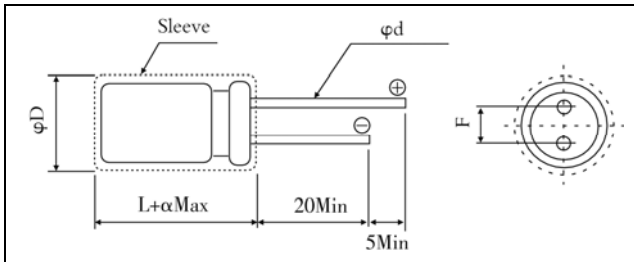


SPECIFICATIONS

Item	Characteristics					
Operating Temperature Range(°C)	-55~+105					
Rated Voltage Range (V)	6.3~35					
Nominal capacitance range (μF)	1~100					
Capacitance Tolerance(20°C, 120Hz)	±20%					
Leakage Current (μA)	$I \leq 0.01CV$ or 3 whichever is greater. C: Nominal Capacitance (μF) V: Rated Voltage (V)					
Dissipation Factor(20°C,120Hz)	Rated voltage (v)	6.3	10	16	25	35
	tanδ	0.22	0.20	0.18	0.14	0.12
Temperature Stability(120Hz)	Rated voltage (v)	6.3	10	16	25	35
	Impedance Ratio: Z-55°C/Z+20°C	4	4	3	3	3
Load Life(+105°C)	Time	2000hours				
	Leakage current	Not more than the specified value.				
	Capacitance change	within±20% of initial value				
	Dissipation	Not more than 200% of the specified value.				
Shelf Life(+105°C)	Time	500hours				
	Leakage current	Not more than the specified value.				
	Capacitance change	within±20% of initial value				
	Dissipation	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	4	5	6.3
F±0.5	1.5	2.0	2.5
φd±0.1	0.45		
a	1.0		

STANDARD RATINGS

WV(V)	6.3	10	16	25	35
Cap(μF)	Size(mm)	Size(mm)	Size(mm)	Size(mm)	Size(mm)
	φDxL	φDxL	φDxL	φDxL	φDxL
1	-	-	-	-	4x5
2.2	-	-	-	-	4x5
3.3	-	-	-	-	4x5
4.7	-	-	-	4X5	4x5
10	-	-	4x5	5x5	5x5
22	4x5	5x5	5x5	6.3x5	6.3x5
33	5x5	5x5	6.3x5	6.3x5	-
47	5x5	6.3x5	6.3x5	6.3x5	-
100	6.3x5	-	-	-	-

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