

CDF Series

Features

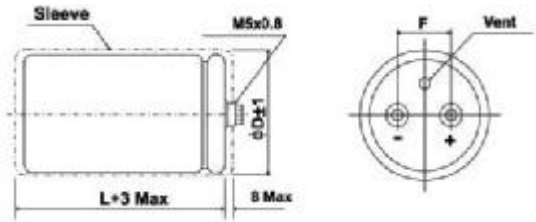
- ◆ Our CDF series, which are so-called “Global Capacitance”, are “Faraday-grade” capacitors. This series has filled the emptiness of the nation in “Faraday-grade” aluminum electrolytic capacitors. They have the characteristics of HIGH CV, LOW ESR and good performances. These enhance the capability of energy-storage and ripple-filtering, and also eliminating the interference caused by low frequency. Thus help to solve the problem of distortion and arrive at the boundary of “highest-grade music” when used in high-end audio amplifiers. These products are also widely used in auto-seller machines, sophisticated testing equipments, all sorts of industrial machines, sophisticated testing equipments, all sorts of industrial machines, robots and other high-tech and low voltage DC or pulse circuits .



Specifications

Item	Performance Characteristics									
Temperature Range	-25~+85℃									
Rated Voltage Range	16~20Vdc									
Capacitance Range	1.0~20.0F									
Capacitance Tolerance	±20%（120Hz， +20℃）									
Leakage Current （+20℃）	I≤3√CV（mA） After 5 minutes application of rated working voltage at +20℃									
Dissipation Factor(tgδ) 120Hz， +20℃	(120Hz， +20℃)									
	VDC\F	1.0	1.5	2.0	3.0	5.0	10.0	15.0	20.0	
	16	1.5	2.0	3.0	4.5	7.5	15.0	20.0	30.0	
	20	1.4	1.8	2.8	4.2	7.0	14.0	21.0	28.0	
Low Temperature Characteristics(120Hz)	Impedance ratio， 120Hz									
	Working voltage(V)		16~20							
	Z -40℃／Z+20℃		12							
Endurance	Test conditions Duration time 1000 hours Ambient temperature: +85℃ Applied voltage: Rated D/C working voltage After test requirements: Resumed 16 hours at normal temperature Capacitance change: ≤±20% of the initial measured value Dissipation factor: ≤200% The initial specified value Leakage current: ≤ The initial specified value									
Shelf Life	Test conditions Duration time: 1000 hours Ambient temperature: +85℃ Applied voltage: None After test requirements: Resumed 16 hours at normal temperature Same limits as Load Life									
Case Marking	Sand Blast, Brushed Finish, Positive electrification case or PVC sleeve (each can be equipped electronic protection systems)									
Case Color	Gold Crimson Blue Silver Maroon Purple Champignon Royal blue Sand blast									

CDF Series
Diagram of Dimensions (mm)



ΦD	35	50.8	63.5	76	89
F	13	22	28	32	32

Standard Production Case Size (mm)

Wv Cap(F)	16				20			
	Round	Oblong	Square	Hexagon	Round	Oblong	Square	Hexagon
1.0	76×210	100×50×205	82×82×205	80×80×215	76×210	100×50×205	82×82×205	80×80×215
1.5	76×210	100×50×205	82×82×205	80×80×215	76×210	100×50×205	82×82×205	80×80×215
2.0	76×210	100×50×205	82×82×205	80×80×215	76×210	100×50×205	82×82×205	80×80×215
3.0	76×230	100×50×220	82×82×220	80×80×230	76×230	100×50×220	82×82×220	80×80×230
5.0	76×245	100×50×235	82×82×235	80×80×245	76×245	100×50×235	82×82×235	80×80×245
10.0	76×260	100×50×250	82×82×250	80×80×260	76×260	100×50×250	82×82×250	80×80×260
15.0	76×275	100×50×265	82×82×265	80×80×275	76×275	100×50×265	82×82×265	80×80×275
20.0	76×290	100×50×280	82×82×280	80×80×290	76×290	100×50×280	82×82×280	80×80×290

Standard Production Case Size (mm)

Wv Cap(F)	16				20			
	Round	Oblong	Square	Hexagon	Round	Oblong	Square	Hexagon
1.0	76×50	100×50×50	-	80×80×60	76×90	100×50×80	82×82×60	80×80×70
1.5	76×60	100×50×60	-	80×80×70	76×90	100×50×80	82×82×60	80×80×70
2.0	76×60	100×50×60	-	80×80×70	76×90	100×50×80	82×82×60	80×80×70
3.0	76×60	100×50×60	-	80×80×70	76×120	100×50×120	82×82×120	80×80×130
5.0	76×60	100×50×60	-	80×80×70	76×130	100×50×130	82×82×130	80×80×140
10.0	76×110	100×50×130	-	80×80×140	76×140	100×50×145	82×82×145	80×80×155
15.0	76×115	100×50×155	-	80×80×165	76×150	100×50×160	82×82×160	80×80×170
20.0	76×210	100×50×200	-	80×80×210	76×160	100×50×175	82×82×175	80×80×185

Size ΦD×L (mm), Ripple Current (A r.m.s. /85℃ 120Hz) .

Above size is the standard size for our product. If you need special size please contact our sales offices .