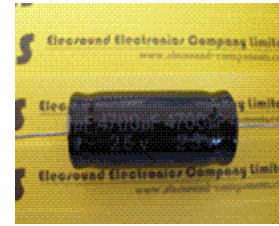


## CD10-Axial Aluminum Electrolytic capacitors 85C

Load life of 2000 Hours at 85C

Axial lead type

For General consumer electronics products application



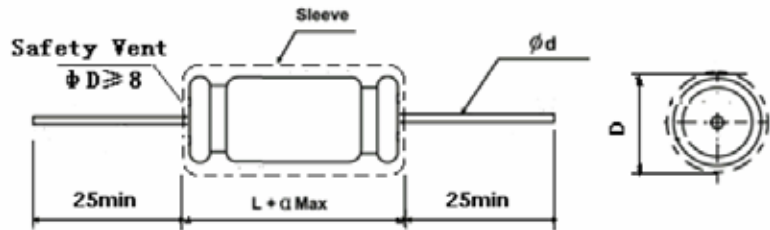
### ▪ SPECIFICATIONS

Item	Characteristics		
Operating Temperature Range(°C)	-40~+85		
Rated Voltage Range (V)	6.3~160		
Nominal capacitance range (uF)	0.47~10000		
Capacitance Tolerance(20%,120Hz)	+/-20%		
Leakage current (µA)	Rated Voltage (V)	CV≤1000 CV>1000	
		I≤0.05CV or 5 whichever is greater. I≤0.03CV+20	
C: Nominal capacitance (µF) V: Rated voltage (V)			
Dissipation Factor(20°C,120Hz)	Rated Voltage (V)	6.3    10    16    25    35    50    63    100    160	
	D.F.	0.3~0.5    0.3~0.5    0.2~0.4    0.15~0.4    0.15~0.3    0.15~0.3    0.1~0.3    0.1~0.2    0.1~0.2	
Temperature Stability(120Hz)	Rated Voltage (V)	6.3    6.3~16    25~63    100~160	
	Impedance Ratio	Z-25°C/Z+20°C	-    -    -    4
		Z-40°C/Z+20°C	7    5    4    -
Load Life(+85°C)	Time	2000 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)	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**

▪ **MULTIPLIER FOR RIPPLE CURRENT**



**Diameter**

D	+/-0.5			+/-1.0		
	5	6	8	10	12	16, 19,22
d+/-0.1	0.5 or 0.6			0.6 or 0.8		0.8 or 1.0
a	+/-2.0(L<=45) +/-3.0(L>45)					

▪ **STANDARD RATINGS**

WV	6.3	10	16	25	35	50	63	100	160
Cap	Size	Size	Size	Size	Size	Size	Size	Size	Size
(uF)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)	$\Phi D \times L$ (mm)
0.47	-	-	-	5X12	-	5X12	-	5X12	6X16
1	-	-	-	5X12	-	5X12	5X12	5X12	6X16
1.5	-	-	-	5X12	-	5X12	5X12	5X12	6X16
2.2	-	-	-	5X12	-	5X12	5X12	5X12	6X16
3.3	-	-	-	5X12	-	5X12	5X12	6X12	8X16
4.7	-	-	-	5X12	5X12	5X12	5X12	6X12	8X16
6.8	-	-	5X12	5X12	5X12	5X12	6X12	8X16	10X16
10	-	-	5X12	5X12	5X12	5X16	6X12	8X16	10X16
15	-	5X12	5X12	5X12	6X12	6X16	6X16	10X16	10X20
22	-	5X12	5X12	5X12	6X12	6X16	6X16	10X16	12X25
33	5X12	5X12	5X12	6X12	6X16	8X16	8X16	10X16	12X25

# Aluminum Electrolytic Capacitor

# Elecsound

47	5X12	5X12	6X12	6X16	8X16	8X16	8X20	10X25	12X30
68	5X12	6X16	6X16	6X16	8X20	10X16	10X16	12X25	16X35
100	6X12	6X16	6X16	8X16	8X20	10X16	10X20	12X25	16X35
150	6X16	8X16	8X16	10X16	10X16	10X25	12X25	16X35	19X40
220	6X16	8X16	8X20	10X16	10X20	10X25	12X25	16X35	19X40
330	8x16	8X20	10X16	10X20	10X25	12X30	12X30	19X35	-
470	10x16	10X16	10X16	10X20	12X25	12X30	16X30	22X30	-
680	10X16	10X16	12X25	12X25	16X30	16X35	19X35	22X40	-
1000	10x20	10X20	12X25	12X25	16X30	16X35	19X35	-	-
1500	12X25	12X25	12X30	16X30	19X30	19X40	22X40	-	-
2200	12x25	12X25	12X30	19X35	19X30	22X40	22X50	-	-
3300	12x35	12X30	16X35	19X35	22X40	22X50	22X50	-	-
4700	12X35	16X35	19X35	19X35	22X40	22X50	-	-	-
6800	19X35	16X35	22X35	22X40	-	-	-	-	-
10000	19X35	19X40	22X35	22X50	-	-	-	-	-

The specific capacitance and case size are available on request.