

# ALUMINUM ELECTROLYTIC CAPACITOR

# CD263

## FEATURES

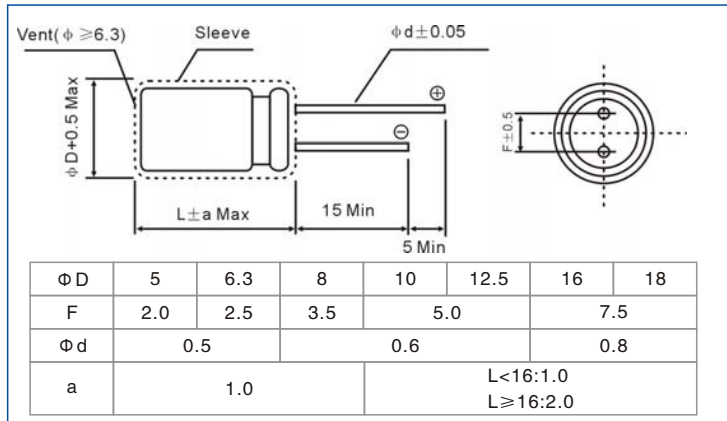
- Load life of 2000 hours at 105°C
- Low impedance, High ripple current
- High performance and reliability
- For switching mode power supplies (SMPS) and industry electronics



## SPECIFICATIONS

ITEMS	PERFORMANCE	CHARACTERISTICS
Operating Temperature Range(°C)	-40~+105	-25~+105
Rated Voltage Range (V)	6.3~100	160~400
Capacitance Tolerance(25°C, 120Hz)	± 20%	
Leakage Current(μ A)	0.01 CV or 3 whichever is greater. (at 25°C, after 2 minutes)	CV ≤ 1000:0.1CV+40 (at 25°C, after 1 minute) CV ≥ 1000:0.04CV+100 (at 25°C, after 1 minute)
	C: Nominal Capacitance (μ F) V: Rated Voltage (V)	
Dissipation Factor(25°C, 120Hz)	Rated Voltage(V)	6.3 10 16 25 35 50 63 100 160 200 250 315 350 400
	Tan δ	0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.08 0.15 0.15 0.15 0.20 0.20 0.20
When nominal capacitance is over 1000 μ F, Tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F		
Temperature Stability(120Hz)	Rated Voltage (V)	6.3 10 16 25 35 50 63 100
	Impedance Ratio	Z-25°C/Z+20°C 4 3 2 Z-55°C/Z+20°C 8 6 4 3
Load Life(+85°C)	Time	2000 hours. (Φ D 8, 1000 hours)
	Leakage current	Not more than the specified value.
Shelf Life(105°C)	Capacitance Change	Within ± 20% of initial value.
	Dissipation factor	Not more than 200% of the specified value.
Shelf Life(105°C)	1000hours. No voltage applied. After test: UR to be applied for 30 minutes, 24 to 48 hours before measurement.	

## DIMENSIONS



## mm MULTIPLIER FOR RIPPLE CURRENT

Rated Voltage(V)	Freq(Hz)	Cap (μ F)				
		50	120	1K	10K	100K
6.3~100	0.1~4.7	—	0.4	0.7	0.8	1.0
	10~47	—	0.5	0.8	0.9	1.0
	100~220	—	0.7	0.9	0.9	1.0
	330~1000	—	0.8	0.8	1.0	1.0
	2200~15000	—	0.9	1.0	1.0	1.0
160~400	0.47~220	0.80	1.0	1.3	1.4	1.6

Rated Voltage(V)	Temperature(°C)	Temperature coefficient		
		+70	+85	+105
6.3~100	6.3~100	2.0	1.7	1.0
	160~400	1.8	1.4	1.0

## STANDARD RATINGS

WV/V	6.3			10			16			25		
	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple
	□ DxL(mm)	Ω	mArms	□ DxL(mm)	Ω	mArms	□ DxL(mm)	Ω	mArms	□ DxL(mm)	Ω	mArms
4.7	--	--	--	--	--	--	--	--	--	5X11	3.0	85
10	--	--	--	--	--	--	5X11	1.9	105	5X11	2.5	92
22	--	--	--	5X11	2.5	92	5X11	1.9	105	5X11	1.9	105
33	5x11	2.5	105	5X11	1.9	105	5X11	1.5	120	5X11	1.5	120
47	5x11	1.5	120	5X11	1.5	120	5X11	1.2	130	5X11	1.2	130
100	5x11	1.2	130	5X11	1.2	130	6.3X11	0.58	220	6.3X11	0.58	220
220	6.3x11	0.87	180	6.3X11	0.58	220	8X11.5	0.47	290	8X11.5	0.39	315
330	6.3x11	0.58	220	8x11.5	0.47	265	8X.11.5	0.39	315	10X12.5	0.23	500
470	8x11.5	0.39	315	8x11.5	0.39	315	10X12.5	0.23	500	10X16	0.18	615
1000	10x12.5	0.23	500	10x16	0.18	615	10X20	0.12	825	12.5X20	0.090	1050

