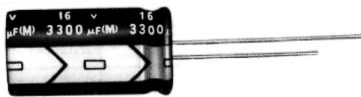


ALUMINUM ELECTROLYTIC CAPACITOR
105°C, GENERAL, FOR SWITCHING POWER SUPPLIES

TS13 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

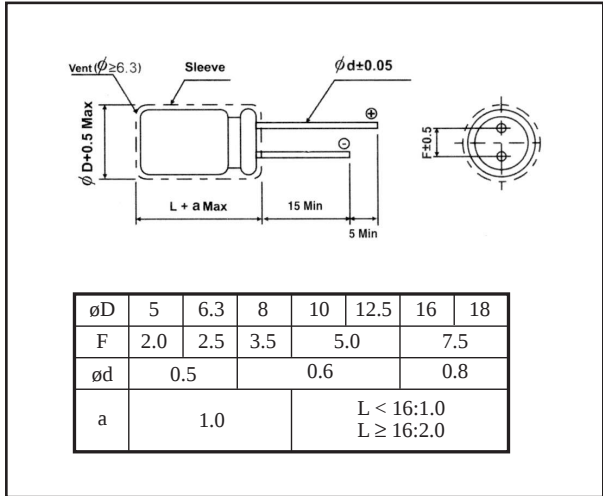


Specifications

I T E M S	P E R F O R M A N C E										C H A R A C T E R I S T I C S					
Operating Temperature Range(°C)	-55~+105										-40~+105					
Rated Voltage Range(V)	6.3~100										160~400					
Capacitance Tolerance(25°C,120Hz)	±20%															
Leakage Current (μA)	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(μF) 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 1000μF, tan δ shall be added 0.02 to the listed value with increase of every 1000μF															
Temperature Stability (120Hz)	Rated Voltage(V)		6.3	10	16	25	35	50	63	100	Rated Voltage(V)		160~250	315~400		
	Impedance Ratio	Z-25°C/Z+20°C	4	3	2						Impedance Ratio	Z-25°C/Z+20°C	3			
		Z-55°C/Z+20°C	8	6	4	3						Z-55°C/Z+20°C	8	6		
Load Life (+85° C)	Time				2000 hours.(øD 8,1000 hours)											
	Leakage Current				Not more than the specified value.											
	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: U _R to be applied for 30 minutes,24 to 48 hours before measurement.															

Dimensions

mm



Multiplier for ripple current

Frequency coefficient						
Rated Voltage(V)	Freq(Hz)	50	120	1K	10K	100K
6.3~100	Cap(μF)					
	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
Temperature coefficient						
Rated Voltage(V)	Temperature(°C)	+70	+85	+105		
6.3~100						
		2.0	1.7	1.0		
160~400						
		1.8	1.4	1.0		