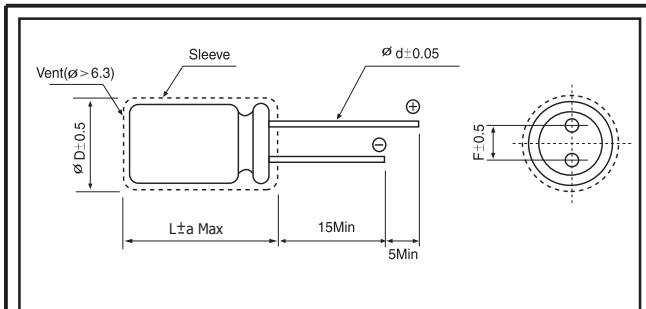


- Ultra Low ESR
- Reduced Impedance at High Frequency
- For Miniaturized and High Performance Equipments

■ SPECIFICATIONS

Operating Temperature Range	-40~+105°C					
Capacitance Tolerance	±20% (at 20°C, 120Hz)					
Leakage Current	I ≤ 0.01 CV or 3 uA whichever is greater ( at 20°C, after 2 minutes) I: Leakage Current (uA) C: Nominal Capacitance (uF) V: Rated Voltage (V)					
Dissipation Factor (at 20°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35
	tan δ	0.15	0.13	0.12	0.10	0.10
Temperature Characteristics (Impedance Ratio at 120Hz)	W.V	6.3	10	16	25	35
	Z(-40°C)/Z(+20°C)	4	4	4	3	3
Load Life (+105°C)	Time	2,000 hours after an application of DC bias voltage the rated ripple current. The peak voltage shall not exceed rated DC voltage				
	Capacitance Change	Within ±25% of the initial value				
	Dissipation Factor	200% of the initial specified value or less				
	Leakage Current	The specified value or less				
Shelf Life (+105°C)	1000 hours. No Voltage Applied. After Test: U R to be applied for 30 minutes, 24 to 48 hours before measurement.					

■ DIMENSION



ØD	8	10	12.5
F	3.5	5.0	
Ød	0.5, L=20:0.6		0.6
a	1.5		

■ MULTIPLIER FOR RIPPLE CURRENT

Cap (uF)	Freq(Hz)			
	120	1K	10K	100K
	100 ~ 330	0.45	0.75	0.95
470 ~ 4700	0.55	0.80	0.95	1.0

## ■ STANDARD RATINGS

uF \ V	6.3			10			16		
	Size (mm)	Impedance	Ripple	Size (mm)	Impedance	Ripple	Size (mm)	Impedance	Ripple
	ØDxL	$\Omega$	mArms	ØDxL	$\Omega$	mArms	ØDxL	$\Omega$	mArms
330	8x12	0.050	850	8x12	0.049	850	8x12	0.050	850
470	8x12	0.050	850	8x14	0.049	850	10x13	0.038	1253
680	8x12	0.050	900	8x12	0.035	900			
1000	10x16	0.034	1540	10x16	0.038	1350	10x16	0.034	1680
1500	8x20	0.021	1650	10x16	0.022	1800	10x25	0.020	2780
1800	10x16	0.019	1900	10x20	0.020	2500	10x25	0.021	2800
2200	10x20	0.015	2500				12.5x25	0.021	3000
2700	10x25	0.017	2780	10x25	0.022	2780			
3300	10x25	0.014	2780						
3900	10x30	0.015	3400						
4700	10x30	0.016	3550						

uF \ V	25			35		
	Size (mm)	Impedance	Ripple	Size (mm)	Impedance	Ripple
	ØDxL	$\Omega$	mArms	ØDxL	$\Omega$	mArms
100	8x12	0.075	700			
220	10x13	0.042	1053			
330	10x16	0.039	1340	8x12	0.054	850
470	10x16	0.037	1340	10x16	0.033	1340
820	10x20	0.025	2500			

Ripple Current: mA(rms) at 100KHz, 105°C