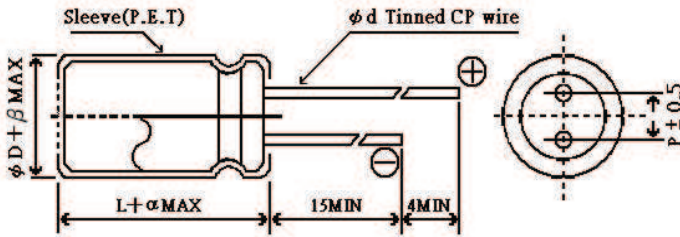


- Low Impedance**
 • Lower impedance than HF series.

■ SPECIFICATIONS

Item	Performance Characteristics		
Operating Temperature Range	-40~+105°C		
Voltage Range	6.3V~16V		
Capacitance Range	470~3300 μF		
Capacitance Tolerance	±20% at 120Hz, 20°C		
Tan δ	Rated voltage (V)	6.3 10 16	
	Tan δ (MAX.)	0.22 0.19 0.16	
120Hz 20°C			
Leakage Current	Rated Voltage (V)	6.3~16	
	Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.03CV.	
Stability at Low Temperature	Rated Voltage (V)	6.3 10 16	
	Impedance Ratio ZT/Z20 (MAX.)	Z-40°C/Z+20°C 3 3 3	
120Hz			
Load Life	After 3000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.		
	Capacitance Change	Within ±25% of initial value	
	Tan δ	Not exceeding 200% of initial specified value	
		Leakage Current	Not exceeding Initial specified value

■ RADIAL LEAD TYPE



α	(L<20) 1.5
	(L≥20) 2.0

φD	8	10
P	3.5	5.0
φd	0.6	0.6
β	0.5	0.5

■ Allowable Ripple Current VS. Ambient Temperature

Ambient temp. (°C)	~+70	+85	+105
Ripple coefficient	1.78	1.4	1.0

■ Frequency Coefficient of Allowable Ripple Current

V	Frequency (Hz)				
	Cap. (μF)	120Hz	1KHz	10KHz	100KHz
6.3~16	470~1000	0.75	0.90	0.98	1.00
	1200~3300	0.80	0.95	1.00	1.00

■ STANDARD RATINGS

D×L (mm)

W.V. (Code)		6.3 (0J)			10 (1A)			16 (1C)		
S.V.		8			13			20		
Cap(μF)	Code	Case size φD×L (mm)	Impedance (ΩMAX.) 20°C 100KHz	Allowable Ripple (mA. rms) 105°C 100KHz	Case size φD×L (mm)	Impedance (ΩMAX.) 20°C 100KHz	Allowable Ripple (mA. rms) 105°C 100KHz	Case size φD×L (mm)	Impedance (ΩMAX.) 20°C 100KHz	Allowable Ripple (mA. rms) 105°C 100KHz
		470	471							8×11.5
680	681				8×11.5	0.036	1140	8×15	0.028	1490
680	681							10×12.5	0.026	1540
820	821	8×11.5	0.036	1140						
1000	102				8×15	0.028	1490	8×20	0.021	1870
1000	102				10×12.5	0.026	1540	10×16	0.019	2000
1200	122	8×15	0.028	1490						
1500	152	10×12.5	0.026	1540	8×20	0.021	1870	10×20	0.013	2550
1500	152				10×16	0.019	2000			
1800	182	8×20	0.021	1870	10×20	0.013	2550	10×25	0.012	2800
1800	182	10×16	0.019	2000						
2200	222	10×20	0.013	2550	10×25	0.012	2800			
3300	332	10×25	0.012	2800						