

RP series

NEW

+105°C, Pen Type Incuded(铅笔型)

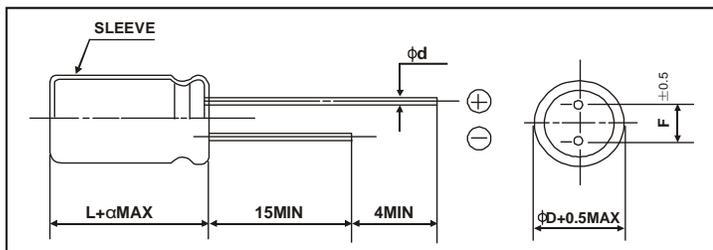
◆ FEATURES

- For standard purpose.
- Life 2000 hours at +105°C.
- $\Phi 10\sim\Phi 18$ with large permissible ripple current.

◆ SPECIFICATIONS

Items	Characteristics			
Category Temperature Rance	-25~+105°C			
Rated Voltage Range	400~450V.DC			
Nominal Capacitance Rance	27~220 μ F			
Capacitance Tolerance	$\pm 20\%$ (120Hz,+20°C)			
Leakage Current(MAX, 20°C)	I=0.03CV+40(μ A) after 2 minutes with rated working voltage			
Dissipation Factor(MAX) Tan δ (20°C,120Hz)	Rated Voltage(V)	400	420	450
	Tan δ	0.24	0.24	0.24
Load Life	After applying rated voltage with max ripple current for 2000 hrs at 105°C,the capacitors shall meet the following requirements			
	Capacitance Change	Within $\pm 20\%$ of the initial value		
	Dissipation Factor	Not more than 200% of the specified value		
Shelf Life	After Leaving capacitors under no load at 105°C for 1000hrs,they meet the characteristic requirements listed at right			
	Capacitance change	Within $\pm 20\%$ of the initial value		
	Tan δ	$\leq 200\%$ of initial specified value		
	Leakage current	$\leq 200\%$ of initial specified value		
Low Temperature Stability Impedance Rate(MAX)	Roted Voltage(V)	400	420	450
	Z-25°C/Z+20°C	6	6	6
Other	JISC-5141 EIAJ RC-2372			

◆ CASE SIZE TABLE



ΦD	10	13	16	18
F	5.0	5.0	7.5	7.5
Φd	0.6		0.8	
α	$\alpha = 2.0$			

◆ RIPPLE CURRENT MULTIPLIER

- Frequency coefficient

Frequency(Hz)	50	120	500	1k	10k~
~270	0.80	1.00	1.25	1.45	1.50

NEW

STANDARD RATINGS

Voltage(code)		400(2G)				420(2P)				450(2W)			
Cap(μ F)	Φ D Code	Φ 10	Φ 13	Φ 16	Φ 18	Φ 10	Φ 13	Φ 16	Φ 18	Φ 10	Φ 13	Φ 16	Φ 18
27	276	10×30				10×30				10×30			
		300				300				300			
33	336	10×30				10×30				10×35			
		330				330				340			
39	396	10×35				10×30				10×40			
		370				370				390			
47	229	10×40				10×40				10×45			
		430				430				440			
53	536									10×50			
										470			
56	566	10×45	13×30			10×50	13×30				13×35		
		480	470			490	470				490		
68	686	10×50	13×35				13×35				13×40		
		520	540				540				560		
82	826		13×40				13×45				13×45		
			620				630				630		
100	107		13×50				13×50					16×35	
			730				710					730	
120	127			16×35				16×35				16×40	
				800				780				820	
150	157			16×40				16×45	18×35			16×50	18×40
				920				940	920			980	970
180	187			16×50	18×40			16×50	18×40				18×45
				1080	1060			1080	1060				1090
220	227				18×45				18×50				18×50
					1200				1220				1220
---						←Upper:Case size Φ D×L(mm)							
						←Lower:Ripple Current (Arms) at 105 °C 120Hz							