

RQ series**NEW**

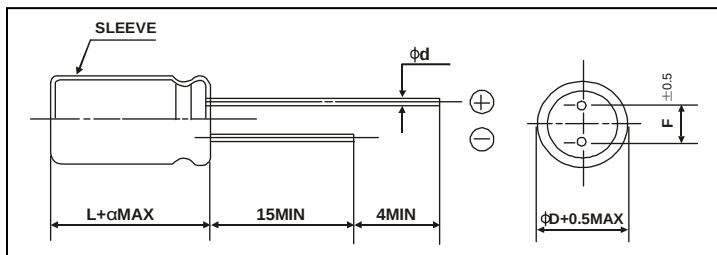
**+105°C, Pen Type Inculded(铅笔型),
Long Life(长寿命).**

◆ **FEATURES**

- For long life design.
- Life 10000 hours at +105°C.
- $\Phi 10\sim\Phi 18$ with large permissible ripple current.

◆ **SPECIFICATIONS**

Items	Characteristics			
Category Temperature Rance	-25~+105℃			
Rated Voltage Range	400~450V.DC			
Nominal Capacitance Rance	27~220μ F			
Capacitance Tolerance	± 20%(120Hz,+20℃)			
Leakage Current(MAX, 20℃)	I=0.02CV+10(μA) after 2 minutes with rated working voltage			
Dissipation Factor(MAX) Tanδ (20℃,120Hz)	Rated Voltage(V)	400	420	450
	Tanδ	0.24	0.24	0.24
Load Life	After applying rated voltage with max ripple current for 10000 hrs at 105℃,the capacitors shall meet the following requirements			
	Capacitance Change	Within ± 20% of the initial value		
	Dissipation Factor	Not more than 200% of the specified value		
	Leakage Current	Not more than the specified value		
Shelf Life	After Leaving capacitors under no load at 105℃ for 1000hrs,they meet the characteristic requirements listed at right	Capacitance change	Within ± 20% of the initial value	
		Tanδ	≤200% of initial specified value	
		Leakage current	≤200% of initial specified value	
Low Temperature Stability Impedance Rate(MAX)	Rated Voltage(V)	400	420	450
	Z-25℃/Z+20℃	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	α =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(μF)	Code	Φ10	Φ13	Φ16	Φ18	Φ10	Φ13	Φ16	Φ18	Φ10	Φ13	Φ16	Φ18
27	129	10×30				10×30				10×30			
		300				300				300			
33	159	10×30				10×30				10×35			
		330				330				340			
39	189	10×35				10×30				10×40			
		370				370				390			
47	229	10×40				10×40				10×45			
		430				430				440			
53										10×50			
										470			
56	279	10×45	13×30			10×50	13×30				13×35		
		480	470			490	470				490		
68	339	10×50	13×35				13×35				13×40		
		520	540				540				560		
82	399		13×40				13×45				13×45		
			620				630				630		
100	479		13×50				13×50					16×35	
			730				710					730	
120	569			16×35				16×35				16×40	
				800				780				820	
150	689			16×40				16×45	18×35			16×50	18×40
				920				940	920			980	970
180	829			16×50	18×40			16×50	18×40				18×45
				1080	1060			1080	1060				1090
220					18×45				18×50				18×50
					1200				1220				1220
270						←Upper:Case sizeΦD×L(mm)							
						←Lower:Ripple Current (Arms) at 105℃ 120Hz							