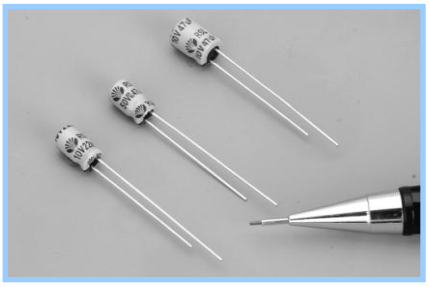
REL SERIES

105℃, 5mm Height, Low Impedance

▣ Features

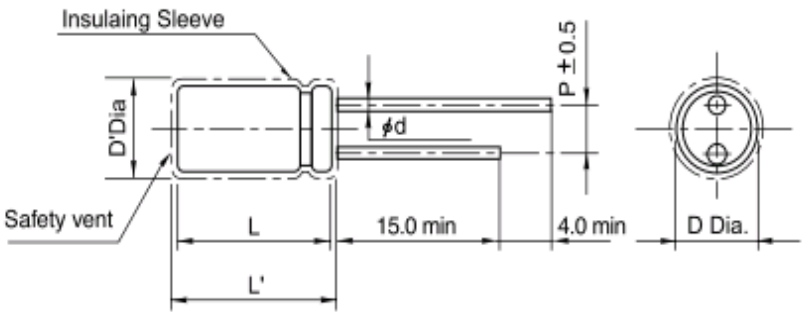


- **5mm Height, Low Impedance, radial**
- **Wide temperature range**
- **Load life of 2,000 hours at 105℃**

▣ Specifications

Item	Performance Characteristics						
Operating temperature range	-40℃ ~ +105℃						
Rated working voltage range	4V ~ 35V						
Nominal capacitance range	0.1 μF ~ 100 μF , ±20% (at 20℃, 120Hz)						
D.C Leakage current(at 20℃)	The following specifications shall be satisfied when the rated voltage is applied for the required time						
	I ≤ 0.01CV or 3μA (2min), whichever is greater.						
	Where I = Leakage current(μA) C = Nominal capacitance(μF) V = Rated voltage (V)						
Tan δ (max., at 20℃, 120Hz)	W.V	6.3	10	16	25	35	
	Tan δ	0.24	0.22	0.20	0.16	0.14	
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10.0	16	25	35	
	Z-25℃/Z+20℃	3	3	2	2	2	
	Z-40℃/Z+20℃	9	7	5	3	3	
Load life	After applying rated working voltage for 2,000 hours at +105℃ and then listed being stabilized at +20℃, capacitors shall meet following limits.						
	Capacitance change	Within ±25% of the initial measured value					
	Tan δ	≤ 300% of the initial specified value					
	Leakage current	≤ The initial specified value					
Shelf life	After storage for 1,000hours at + 105℃ with no voltage applied and then being stabilized at +20℃, capacitors shall meet following limits.						
	Capacitance change	Within ±25% of the initial measured value					
	Tan δ	≤ 200% of the initial specified value					
	Leakage current	≤ The initial specified value					

▣ Dimensions



· Standard lead style

Φ D	4.0	5.0	6.3
P	1.5	2.0	2.5
Φ d	0.45		

D′ = [D+0.5] Max. L′ = [L+1.5] Max.

REL SERIES

▣ Dimensions & Maximum permissible ripple current

μF \ V	6.3	10	16	25	35
3.3					5 x 5 76 3.5
4.7					5 x 5 76 3.5
6.8					5 x 5 76 3.5
10				5 x 5 90 2.5	5 x 5 90 2.5
15			5 x 5 90 2.5	5 x 5 90 2.5	5 x 5 90 2.5
22			5 x 5 90 2.5	5 x 5 90 2.5	6.3 x 5 110 1.5
33	5 x 5 90 2.5	5 x 5 90 2.5	5 x 5 90 2.5	6.3 x 5 120 1.5	
47	5 x 5 90 2.5	5 x 5 90 2.5	6.3 x 5 110 1.5		
68	6.3 x 5 110 1.5	6.3 x 5 110 1.5			
100	6.3 x 5 110 1.5	Case size : ΦD x L(mm) Impedance(Z) [Ω max. / 20℃ , 100㎑] Maximum permissible ripple current[mA(rms) at 105℃, 100㎑]			