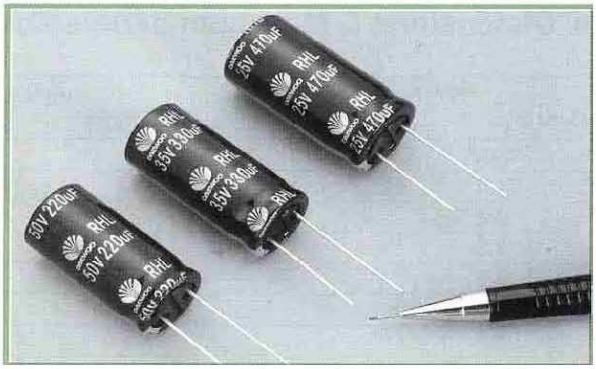
RHL SERIES

125°C High Performance, Radial Leads

▣ Features

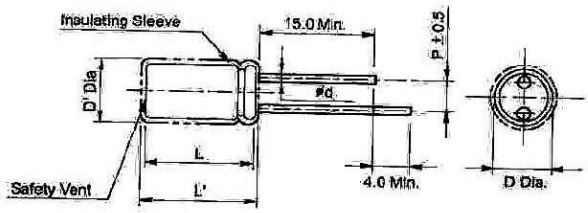


- High temperature, long life (-40°C~+125°C)
  Radial (Equivalent to 80000 hours life at 85°C)
- Reverse voltage: 5V
- Very low leakage current
- Low dissipation factor
- Load life of 5000hours at 125°C

▣ Specifications

Item	Performance Characteristics						
Operating temperature range	-40°C ~ +125°C						
Rated working voltage range	10V ~ 63V						
Nominal capacitance range	0.47μF ~ 1000μF, ±20% (At 20°C, 120Hz)						
D.C Leakage current (at 20°C)	The following specifications shall be satisfied when the rated voltage is applied for the requried time. I ≤ 0.002CV or 2μA (5min), whichver is greater Where I = Leakage current (μA) C = Nominal capacitance (μF) V = Rated voltage (V)						
Tanδ (max., at 20°C, 120Hz)	W.V(V)	10	16	25	35	50	63
	Tanδ	0.15	0.12	0.10	0.10	0.08	0.08
Characteristics at low temperature (max.) (impedance ratio at 120Hz)	W.V(V)	10	16	25	35	50~63	
	Z-25°C/Z20°C	2	2	2	2	2	
	Z-40°C/Z20°C	8	6	5	4	4	
Load life	After applying rated working voltage for 5000 hours at +125°C and then being stabilized at +20°C, capacitors shall meet following limits.						
	Capacitance change	Within ±20% of the initial measured value					
	Tanδ	≤ 200% of the initial specified value					
	Leakage current	≤ The initial specified value					
Shelf life	After storage for 1000 hours at +125°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits.						
	Capacitance change	Within ±15% of the initial measured value					
	Tanδ	≤ 150% of the initial specified value					
	Leakage current	≤ 500% of the initial specified value					

▣ Dimensions



• Standard lead style

ϕD	10.0	12.5	16.0	18.0
P	5.0		7.5	
ϕd	0.6		0.8	

D' = [D+0.5] Max. L' = [L+1.5] Max. at D ≥ 10.0

▣ Ripple current coefficient

• Frequency

Freq (Hz) / Cap(μF)	50	120	400	1K	10K	50~100K
Cap ≤ 10	0.8	1.0	1.30	1.45	1.65	1.70
10<Cap≤100	0.8	1.0	1.23	1.36	1.48	1.53
100<Cap≤1000	0.8	1.0	1.16	1.25	1.35	1.38

• Temperatue

Temperature	≤ 85°C	105°C	125°C
Factor	2.0	1.4	1.0