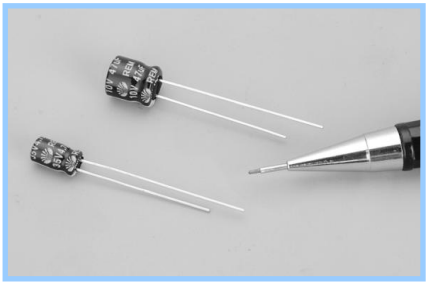
DAEWOO ELECTRONIC COMPONENTS

REM SERIES

85℃, 5mm Height, Radial Leads

▣ Features

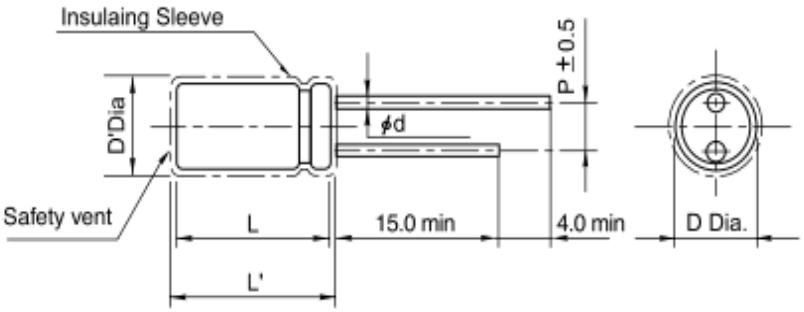
- **5mm Height, standard, radial**
- **Automatic insertion is available**
- **Load life of 2,000 hours at 85℃**



▣ Specifications

Item	Performance Characteristics							
Operating temperature range	-40℃ ~ +85℃							
Rated working voltage range	4V ~ 50V							
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	4.0	6.3	10	16	25	35	50
	Tan δ	0.35	0.25	0.20	0.17	0.15	0.12	0.10
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	4.0	6.3	10.0	16	25	35	50
	Z-25℃/Z+20℃	7	5	4	3	2	2	2
	Z-40℃/Z+20℃	15	10	8	6	4	4	4
Load life	After applying rated working voltage for 2,000 hours at +85℃ and then listed being stabilized at +20℃, capacitors shall meet following limits.							
	Capacitance change	Within ±20% of the initial measured value						
	Tan δ	≤ 200% of the initial specified value						
	Leakage current	≤ The initial specified value						
Shelf life	After storage for 1,000hours at + 85℃ with no voltage applied and then being stabilized at +20℃, capacitors shall meet following limits.							
	Capacitance change	Within ±20% of the initial measured value						
	Tan δ	≤ 200% of the initial specified value						
	Leakage current	≤ 200% of 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.

REM SERIES

▣ Dimensions & Maximum permissible ripple current

μF \ V	4	6.3	10	16	25	35	50
0.10							4 x 5 1.0
0.15							4 x 5 1.5
0.22							4 x 5 2.0
0.33							4 x 5 2.5
0.47							4 x 5 3.5
0.68							4 x 5 5.0
1.0							4 x 5 6.5
1.5							4 x 5 9.0
2.2						4 x 5 10	4 x 5 12
3.3					4 x 5 12	4 x 5 13	4 x 5 16
4.7				4 x 5 14	4 x 5 16	4 x 5 18	5 x 5 20
6.8			4 x 5 15	4 x 5 18	4 x 5 20	5 x 5 22	6.3 x 5 26
10		4 x 5 17	4 x 5 20	4 x 5 22	5 x 5 26	5 x 5 28	6.3 x 5 32
15		4 x 5 23	4 x 5 25	5 x 5 28	6.3 x 5 33	6.3 x 5 36	
22	4 x 5 23	4 x 5 28	5 x 5 32	5 x 5 36	6.3 x 5 41	6.3 x 5 45	
33	4 x 5 28	5 x 5 36	5 x 5 40	6.3 x 5 46	6.3 x 5 54		
47	4 x 5 36	5 x 5 44	6.3 x 5 53	6.3 x 5 58			
68	5 x 5 45	6.3 x 5 54	6.3 x 5 65				
100	5 x 5 56	6.3 x 5 70	6.3 x 5 75	Case size : ΦD x L(mm) Maximum permissible ripple current[mA(rms) at 85℃, 120㎐]			