

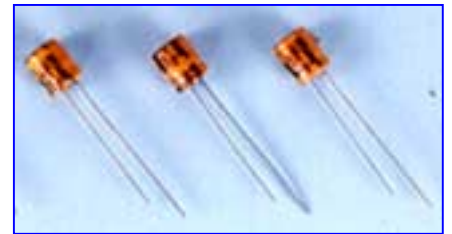
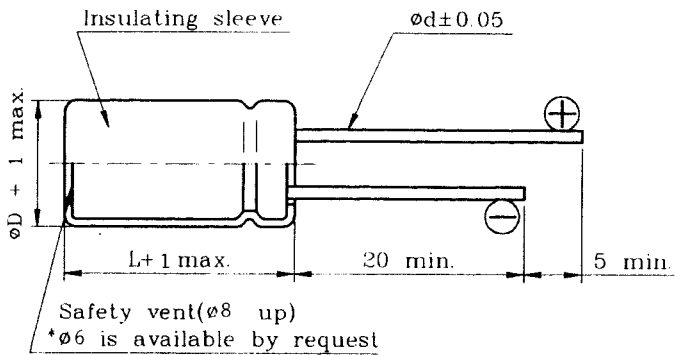
EMRL SERIES

- Super Miniature and Low leakage current
- Designed for use in VCRs, car radios, Car stereos. Micro-cassette tape recorders, pocket calculators and watches.

Characteristics

Voltage Range	6.3 ~ 63V							
Capacitance Range	0.47 ~ 100uF							
Temperature Range	-40 ~ + 105°C							
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)							
Leakage Current	I ≤ 0.002CV or 0.4uA, whichever is greater (After 3 minutes)							
Dissipation Factor	Rated Voltage (V)	6.3V	10V	16V	25V	35V	50V	63V
	Dissipation Factor(tan δ)max	0.24	0.20	0.16	0.14	0.12	0.10	0.10
(at 20°C, 120Hz)								
Stability at Low Temperature	Impedance ration at 120Hz							
	Rated Voltage (V)	6.3V	10V	16V	25V	35V	50V	63V
	Z-25°C/Z 20°C	4	3	2	2	2	2	2
	Z-40°C/Z 20°C	8	6	4	4	3	3	3
Load Life	After the rated voltage has been applied for 1000 hours at 105°C	Capacitance change	Within ±20% of initial value					
		D.F. tanδ	200% of less of initial specified value					
		Leakage current	Initial specified value of less					
Shelf Life	After storage for 500 hours at 105°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life.							

Diagram of dimensions



Dφ	4	5	6
F	1.5	2.0	2.5
dφ	0.45		

Maximum Ripple Current

mA rms 105°C 120Hz

Case Size of Standard Products

DxL(mm)

uF \ WV	6.3	10	16	25	35	50	63
0.47						9	9
1						14	14
2.2						21	21
3.3						26	29
4.7						35	
10			25	43	47	47	
22		38	40	74	85		
33		47	53	90			
47	55	60	75				
100	90	100	110				

UF \ WV	6.3	10	16	25	35	50	63
0.47					→	4x7	4x7
1	ALL BLANK VOLTAGE ON SLEEVE MARKING IS SAME VOLTAGE "→" POINT TO				→	4x7	4x7
2.2					→	4x7	4x7
3.3					→	4x7	4x7
4.7					→	4x7	
10			4x7	4x7	5x7	5x7	
22	→	4x7	5x7	5x7	6x7		
33	→	4x7	6x7	6x7			
47	5x7	5x7	6x7				
100	5x7	6x7	6x7				