HITANO
ENTERPRISE CORP.

EMR SERIES

- Super miniature size.
- Designed for use in VTRs, car radios, Car stereos. Micro-cassette tape recorders, pocket calculators and watches.

Characteristics

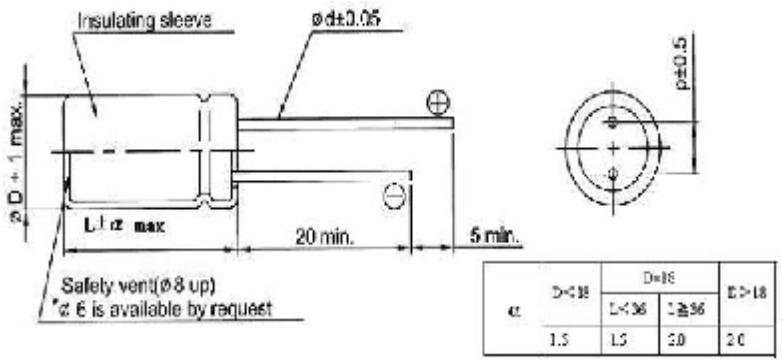
Voltage Range	4 ~ 63V							
Capacitance Range	0.47 ~ 330uF							
Temperature Range	-40 ~ + 105℃							
Capacitance Tolerance	±20% at 120Hz , 20℃(10% Tol. is available upon request)							
Leakage Current	I≤0.01CV or 3uA, whichever is greater (After 2 minutes)							
Dissipation Factor	Rated Voltage (V)	4V	6.3V	10V	16V	25V	35V	50V	63V
	Dissipation Factor(tanδ)max	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.10
	(at 20℃, 120Hz)								
Stability at Low Temperature	Impedance ration at 120Hz								
	Rated Voltage (V)	4V	6.3V	10V	16V	25V	35V	50V	63V
	Z-25℃/Z 20℃	7	4	3	2	2	2	2	2
	Z-40℃/Z 20℃	15	8	6	4	4	3	3	3
Load Life	After the rated voltage has been applied for 1000 hours at 105℃	Capacitance change	Within ±20% of initial value						
		D.F. tanδ	200% or less of initial specified value						
		Leakage current	Less than Initial specified value						
Shelf Life	After storage for 500 hours at 105℃, with no voltage applied and being stabilized at +20℃, Capacitor shall meet the limit specified in load life.								

Case Size of Standard Products & Maximum Ripple Current (mA rms 105℃ 120Hz)

WV / Cap.	4V		6.3V		10V		16V		25V		35V		50V		63V	
uF	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**	**Size**	**R.C.**
0.47												→	4x7	5	4x7	6.3
1		ALL BLANK VOLTAGE ON SLEEVE MARKING IS SAME VOLTAGE "→" POINT TO										→	4x7	10	4x7	12
2.2												→	4x7	17	4x7	18
3.3												→	4x7	23	4x7	25
4.7												→	4x7	24	4x7	26
10						→	4x7	28	4x7	30	4x7	31	5x7	35	6.3x7	42
22						→	4x7	37	5x7	50	5x7	47	6.3x7	59		
33				→	4x7	43	4x7	45	5x7	52	6.3x7	65	8x7	75		
47				→	4x7	50	5x7	65	6.3x7	71	6.3x7	80				
100	4x7	55	5x7	65	5x7	82	6.3x7	92	8x7	113						
220	→	120	→	120	6.3x7	120	8x7	145								
330	6.3x7	120	8x7	160	8x7	165										

Size 8x7 for 1000 hours at 85℃

Diagram of dimensions



D §	3	4	5	6.3	8
p	1±0.3	1.5	2.0	2.5	3.5
d §	0.4	0.45			