

Miniature Size Height 7mm 85°C 1000HR 小型品 85°C

Features

- The MR series is employing etched foils for higher gain effect.
- Designed for use in VTRs, car radios, car stereos, micro-cassette tape recorders, pocket calculators and watches.

Specifications

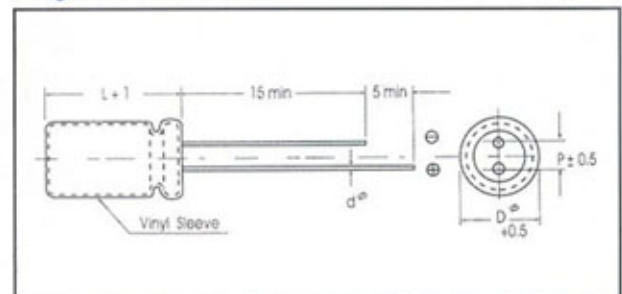
Items	Performance Characteristics								
Operating Temperature Range	-40 to +85°C								
Rated Working Voltage Range	6.3 to 63V DC								
Nominal Capacitance Range	0.1 to 470 μ F								
Capacitance Tolerance	$\pm 20^\circ\text{C}$ (120Hz, +20°C)								
Leakage Current	1 \leq 0.01CV or 3(μ A) whichever is greater measured after 3 minutes application of rated working voltage at +20°C								
Dissipation Factor (tan δ) (120Hz, +20°C)	Working voltage (v)	4	6.3	10	16	25	35	50	63
	tan δ (max)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.08
Characteristics at Low Temperature	Impedance ratio max. at 120Hz								
	Working voltage (v)	4	6.3	10	16	25	35	50	63
	-25°C/+20°C	6	4	3	2	2	2	2	2
	-40°C/+20°C	12	8	6	4	4	3	3	3
High Temperature Loading	Test conditions								
	Duration	: 1000 hours							
	Ambient temperature	: +85°C							
	Applied Voltage	: Rated DC working voltage							
	Post test requirements at +20°C								
	Leakage current	: \leq initial specified value							
	Capacitance change	: $\leq +20\%$ of initial measured value (4V: $\leq +30\%$)							
	tan δ	: $\leq 150\%$ of initial specified value							
Shelf Life	Test conditions								
	Duration	: 500 hour							
	Ambient temperature	: +85°C							
	Applied voltage	: (None)							
	Post test requirements at +20°C								
	Same limits for high temperature loading.								
Others	Satisfies characteristic W of JIS C 5141-1982								

Case Size Table

WV (SV) μ F	ϕ D x L (mm)							
	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (79)	
0.1						4x7	4x7	
0.22	Blank item can be substituted						4x7	4x7
0.33	by nearest column item						4x7	4x7
0.47						4x7	4x7	
1.0						4x7	4x7	
2.2						4x7	4x7	
3.3						4x7	4x7	
4.7				4x7	4x7	4x7	5x7	
10			4x7	4x7	5x7	5x7	6.3x7	
22			4x7	5x7	5x7	6x7		
33		4x7	5x7	6x7	6.3x7	8x7(8x9)		
47	4x7	4x7	5x7	6x7	6.3x7	8x7(8x9)		
100	5x7	5x7	6x7	8x9	8x7(8x9)			
220	6x7	6x7	8x9					
330	8x7(8x9)	8x7(8x9)	8x7(8x9)					
470	8x9	8x9	8x9					

Diagram of Dimensions

Unit: mm



D ϕ	4	5	6.3	8
P	1.5 \pm 0.5	2.0 \pm 0.5	2.5 \pm 0.5	3.5 \pm 0.5
d ϕ	0.45	0.45	0.45	0.50