



MH SERIES

Miniaturized 7mm 105°C 1000HR 小型品 105°C

Features

- Developed short body length to 7mm, at high temperature of 105°C.
- Most suitable for high-density electronic equipment, such as: automatic office machines, pocket calculators, car stereos and mini-audio sets, VCR, camera, CD-ROM, notebook, etc.

Specifications

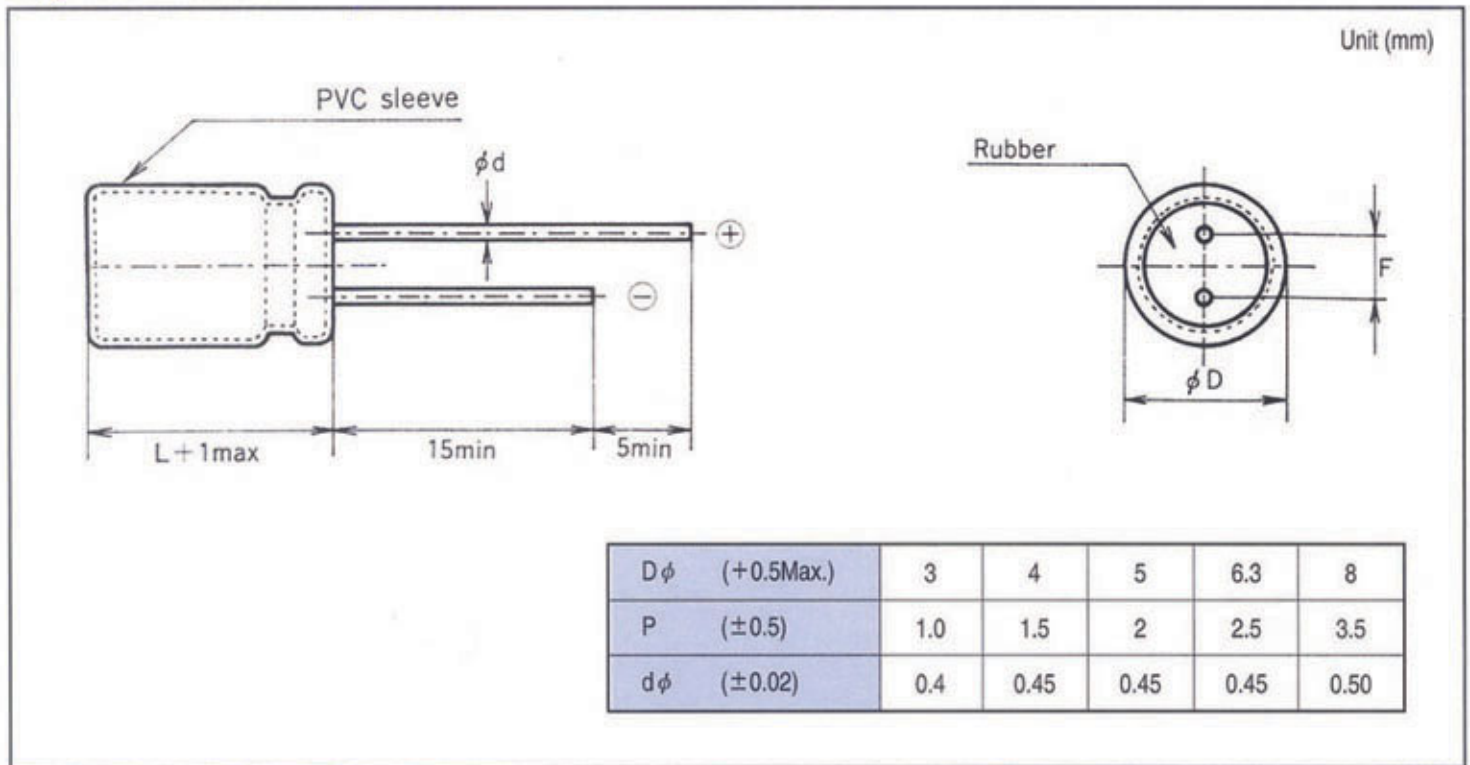
Items	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Working Voltage Range	6.3 to 63V DC							
Nominal Capacitance Range	0.1 to 470 μ F							
Capacitance Tolerance	$\pm 20^\circ\text{C}$ (120Hz, +20°C)							
Leakage Current	1 \cong 0.01CV or 3(μ A) after two minutes							
Dissipation Factor ($\tan \delta$) (120Hz, +20°C)	Working voltage (v)	6.3	10	16	25	35	50	63
	$\tan \delta$ (max)	0.24	0.20	0.16	0.14	0.12	0.10	0.08
Characteristics at Low Temperature	Working voltage (v)	6.3	10	16	25	35	50	63
	-25°C/+20°C	4	3	2	2	2	2	2
	-40°C/+20°C	8	6	4	4	3	3	3
High Temperature Loading	Test conditions Duration : 1000 hours Ambient temperature : +105°C Applied Voltage : Rated DC working voltage Post test requirements at +20°C Leakage current : \cong initial specified value Capacitance change : \cong +20% of initial measured value (4V: \cong +30%) $\tan \delta$: \cong 200% of initial specified value							
	Shelf Life After storage for 500hrs. at +105°C with no voltage applied. Post test requirements at +20°C same limits for high temperature loading.							
Solvent Proof	The capacitor can withstand circuit-board cleaning within 5 min. Dipped in Freon TE, TES, at 40°C (ultrasonic also permitted) or in the steam of these cleaners.							



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Diagram of Dimensions



Case Size Table

		φD×L (mm)					
W.V. (SV) μ F	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (79)
0.1					→	4×7	4×7
0.22					→	4×7	4×7
0.33					→	4×7	4×7
0.47					→	4×7	4×7
1.0					→	4×7	4×7
2.2					→	4×7	4×7
3.3					→	4×7	4×7
4.7			→	4×7	4×7	5×7	5×7
10		→	4×7	5×7	5×7	6.3×7	6.3×7
22	4×7	5×7	5×7	6.3×7	6.3×7	6.3×7	
33	5×7	5×7	6.3×7	6.3×7	6.3×7	8×7	
47	5×7	6.3×7	6.3×7	6.3×7	8×7	8×9	
100	6.3×7	6.3×7	6.3×7	8×9			
220	8×7	8×7	8×9				
330	8×7	8×7	8×9				
470	8×9	8×9					

※ All blank dimensions is the same dimensions as "→" point to.