

# GUN 5mm Height, 85°C Non-polar Series

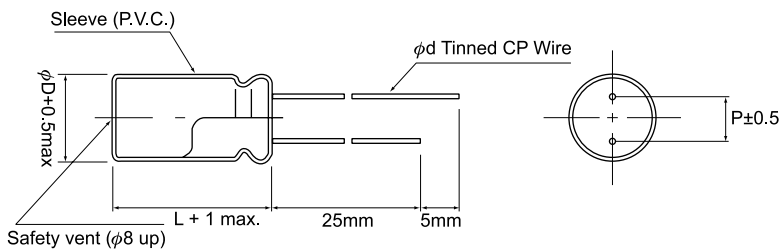
- Miniature sized for Non-polar application.
- Life guaranteed 1,000 hours/85°C.



• Specifications

Item	Performance Characteristics						
Operating Temperature range	-40 + 85°C						
Rated Voltage	6.3V ~ 50V						
Capacitance Range	0.1 ~ 100 μF						
Capacitance Tolerance	±20% (120Hz, 20°C)						
Leakage Current	I ≤ 0.05CV or 10 μA, whichever is greater after 2 minutes application of rated voltage.						
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50
	Tan δ (max.)	0.24	0.20	0.17	0.17	0.15	0.15
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature						
	Rated voltage (V)	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	8	6	4	4	3	3
Load Life	After 1,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.						
	Capacitance change	Within ±20% of initial value					
	Tan δ	200% or less of initial specified value					
	Leakage current	Initial specified value or less					
Shelf Life	At 85°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life.						

• Dimension (mm)



Dφ	4	5	6	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.45

• Standard Products Table

WV(SV) Cap μF	Dφ x L (mm)											
	6.3 (10)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
0.1											4 x 5	1
0.22											4 x 5	2
0.33											4 x 5	3
0.47											4 x 5	4
1											4 x 5	9
2.2									4 x 5	8	5 x 5	13
3.3							5 x 5	12	5 x 5	16	5 x 5	17
4.7					4 x 5	12	5 x 5	16	5 x 5	18	6.3 x 5	20
10			4 x 5	17	5 x 5	23	6.3 x 5	27	6.3 x 5	29	8 x 5	36
22	5 x 5	28	6.3 x 5	33	6.3 x 5	37	8 x 5	50	8 x 5	54		
33	6.3 x 5	37	6.3 x 5	41	6.3 x 5	49	8 x 5	61				
47	6.3 x 5	45	8 x 5	61	8 x 5	75						
100	8 x 5	82									Case Size	Ripple

Ripple current (mA) at 85°C 120Hz