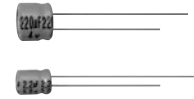


# GUR 5mm Height, 85°C Standard Series

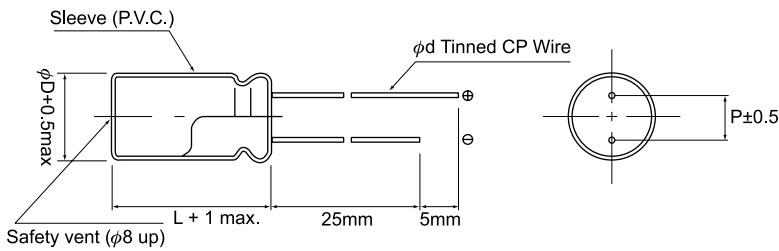
- Miniature sized for general-purpose application.
- Life guaranteed 1,000 hours/85°C



• Specifications

Item	Performance Characteristics								
Operating Temperature range	-40 + 85°C								
Rated Voltage	4V ~ 50V								
Capacitance Range	0.1 ~ 470 μF								
Capacitance Tolerance	±20% (120Hz, 20°C)								
Leakage Current	I ≤ 0.02CV or 4 μA, whichever is greater after 2 minutes application of rated voltage.								
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	4	6.3	10	16	25	35	50	Figures in ( ) are for φ3.
	Tan δ (max.)	0.35	0.24 (0.30)	0.20 (0.24)	0.16 (0.20)	0.14 (0.18)	0.12 (0.16)	0.10 (0.13)	
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature								
	Rated voltage (V)	4	6.3	10	16	25	35	50	
	Z (-25°C) / Z (20°C)	7	4	3	2	2	2	2	
	Z (-40°C) / Z (20°C)	15	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	3	4	5	6	8
P	1.0	1.5	2.0	2.5	3.5
φd	0.40	0.45	0.45	0.45	0.45

• Standard Products Table

WV(SV) Cap (μF)	Dφ x L (mm)													
	4 (5)		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	13
3.3													○ 4 x 5	17
4.7											○ 4 x 5	18	5 x 5	20
10							○ 4 x 5	23	4 x 5	25	5 x 5	29	6.3 x 5	33
22			○ 4 x 5	28	○ 4 x 5	31	4 x 5	33	5 x 5	38	6.3 x 5	46	8 x 5	52
33	○ 4 x 5	28	4 x 5	31	4 x 5	33	5 x 5	43	6.3 x 5	52	8 x 5	62	8 x 5	71
47	4 x 5	33	4 x 5	35	4 x 5	37	5 x 5	48	6.3 x 5	62	8 x 5	80		
100	5 x 5	56	5 x 5	60	6.3 x 5	76	6.3 x 5	86	8 x 5	110				
220	6.3 x 5	96	6.3 x 5	110	8 x 5	135	8 x 5	145						
330	8 x 5	145	8 x 5	170										
470	8 x 5	185											Case Size	Ripple

※ Size 3 x 5 is available for which marked with "○" above.

Ripple current (mA) at 85°C 120Hz