

GUZ 5mm Height, 105°C Low Impedance Series

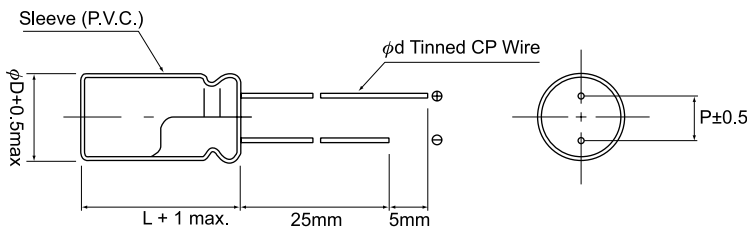
- Miniature sized and low impedance for high frequency circuit application.
- Life guaranteed 1,000 hours/105°C.



• Specifications

Item	Performance Characteristics					
Operating Temperature range	-55 + 105°C					
Rated Voltage	6.3V ~ 35V					
Capacitance Range	1 ~ 100μF					
Capacitance Tolerance	±20% (120Hz, 20°C)					
Leakage Current	I ≤ 0.01CV or 3 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
	Tan δ (max.)	0.22	0.20	0.18	0.14	0.12
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature					
	Rated voltage (V)	6.3	10	16	25	35
	Z (-40°C) / Z (20°C)	2	2	2	2	2
	Z (-55°C) / Z (20°C)	4	4	3	3	3
Load Life	After 1,000 hours application of WV at 105°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 105°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life.					

• Dimension (mm)



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

• Frequency coefficient of allowable ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 KHz	10 KHz ~
Coefficient	0.35	0.50	0.64	0.83	1.00

• Standard Products Table

WV(SV) Cap (μF)	Dφ x L (mm)														
	6.3 (10)			10 (13)			16 (20)			25 (32)			35 (44)		
1													4 x 5	5.0	50
1.5													4 x 5	5.0	50
2.2													4 x 5	5.0	50
3.3													4 x 5	5.0	50
4.7										4 x 5	5.0	50	4 x 5	5.0	50
6.8										4 x 5	5.0	50	5 x 5	2.6	80
10							4 x 5	5.0	50	5 x 5	2.6	80	5 x 5	2.6	80
15							5 x 5	2.6	80	6.3 x 5	1.3	115	6.3 x 5	1.3	115
22	4 x 5	5.0	50	5 x 5	2.6	80	5 x 5	2.6	80	6.3 x 5	1.3	115	6.3 x 5	1.3	115
33	5 x 5	2.6	80	5 x 5	2.6	80	6.3 x 5	1.3	115	6.3 x 5	1.3	115			
47	5 x 5	2.6	80	6.3 x 5	1.3	115	6.3 x 5	1.3	115						
68	6.3 x 5	1.3	115												
100	6.3 x 5	1.3	115												
													Case size	Imp.	Ripple

Impedance: (Ω) max. at 20°C 100KHz
 Rated Ripple Current (mA) at 105°C 100KHz