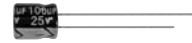


# GMZ 7mm Height, 105°C Low Impedance Series

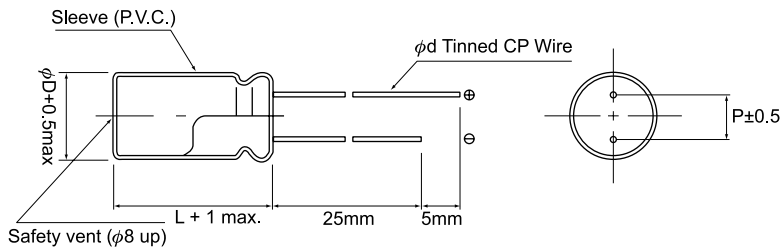
- Miniature sized and low impedance for high frequency circuit application.
- Life guaranteed 1,000 hours/105°C.



• Specifications

Item	Performance Characteristics					
Operating Temperature range	-55 + 105°C					
Rated Voltage	6.3V ~ 35V					
Capacitance Range	6.8 ~ 220 μF					
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.)	0.18	0.16	0.14	0.12	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)	3	3	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	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

• 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)		
6.8													4 x 7	3.3	70
10										4 x 7	3.3	70	5 x 7	1.7	110
15							4 x 7	3.3	70	5 x 7	1.7	110	6.3 x 7	0.8	160
22				4 x 7	3.3	70	5 x 7	1.7	110	5 x 7	1.7	110	6.3 x 7	0.8	160
33	5 x 7	1.7	110	5 x 7	1.7	110	6.3 x 7	0.8	160	6.3 x 7	0.8	160	8 x 7	0.5	200
47	5 x 7	1.7	110	6.3 x 7	0.8	160	6.3 x 7	0.8	160	8 x 7	0.5	200			
68	6.3 x 7	0.8	160	6.3 x 7	0.8	160	8 x 7	0.5	200	8 x 7	0.5	200			
100	6.3 x 7	0.8	160	8 x 7	0.5	200	8 x 7	0.5	200						
150	8 x 7	0.5	200	8 x 7	0.5	200									
220	8 x 7	0.5	200										Case size	Imp.	Ripple

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