

GLR Low leakage current 85°C Series

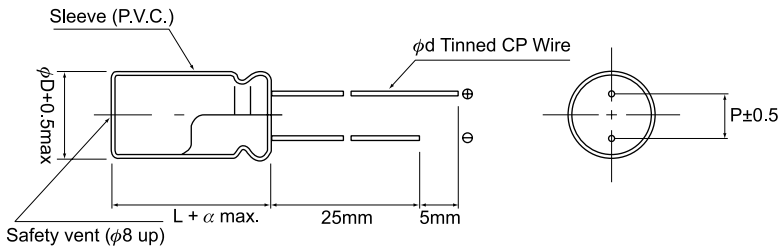
- Low leakage current & low noise.
- Ideally for timing or trigger circuit application and low cost for Tantalum replacement.
- Life guaranteed 2,000 hours/85°C.



• Specifications

Item	Performance Characteristics								
Operating Temperature range	-40 + 85°C								
Rated Voltage	6.3V ~ 100V								
Capacitance Range	0.1 ~ 10,000 μF								
Capacitance Tolerance	±20% (M) or ±10% (K) at 120Hz, 20°C								
Leakage Current	I ≤ 0.002CV or 0.4 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	63	100
	Tan δ (max.)	0.21	0.17	0.14	0.12	0.12	0.10	0.08	0.08
	For capacitance of more than 1,000 μF, add 0.02 for every increase of 1,000 μF								
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature								
	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Z (-25°C) / Z (20°C)	3	2	2	1.5	1.5	1.5	1.5	1.5
	Z (-40°C) / Z (20°C)	5	4	3	2	2	2	2	2
Load Life	After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.								
	Capacitance change	Within ±15% of initial value							
	Tan δ	150% 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	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5		0.6			0.8	
α	1.0			1.5			

• Standard Products Table

WV(SV) Cap (μF)	Dφ x L (mm)															
	6.3 (10)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (75)	100 (125)								
0.1~0.47									5 x 11						5 x 11	
1									5 x 11	10					5 x 11	19
2.2									5 x 11	23					5 x 11	28
3.3									5 x 11	40					5 x 11	45
4.7									5 x 11	45					5 x 11	50
10									5 x 11	70	5 x 11	45			5 x 11	50
22									5 x 11	85	5 x 11	70	6.3 x 11	110	6.3 x 11	110
33									5 x 11	100	6.3 x 11	140	6.3 x 11	140	8 x 11	165
47									5 x 11	110	6.3 x 11	140	6.3 x 11	170	8 x 11	190
100									5 x 11	110	6.3 x 11	140	6.3 x 11	170	8 x 11	190
220									5 x 11	110	6.3 x 11	140	6.3 x 11	170	8 x 11	190
330									5 x 11	110	6.3 x 11	140	6.3 x 11	170	8 x 11	190
470	10 x 12	390	10 x 16	530	10 x 20	550	13 x 20	660	13 x 25	680	16 x 25	760	16 x 25	850	18 x 36	910
1000	10 x 20	650	13 x 20	810	13 x 25	910	16 x 25	1010	16 x 25	1100	16 x 32	1140	18 x 36	1330		
2200	13 x 25	1060	16 x 25	1200	16 x 25	1300	16 x 36	1440	18 x 36	1580						
3300	16 x 25	1270	16 x 32	1420	16 x 36	1550	18 x 40	1720								
4700	16 x 32	1500	16 x 36	1650	18 x 36	1820										
6800	18 x 36	1760	18 x 36	1890												
10000	18 x 40	1900													Case size	Ripple

Ripple current (mA) at 85°C 120Hz