

GVQ 150°C, Standard Series



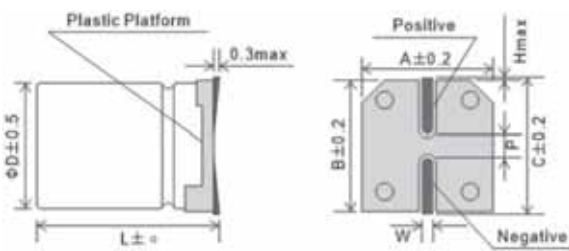
Features

- 150°C, 2000 hours assured.
- Highly dependable reliability.
- Available for high density surface mounting.



Specifications

Item	Condition		Specifications				
Category Temperature Range(°C)	—		-55°C ~ +150°C				
Capacitance Tolerance (%)	120Hz, 20°C		±20%				
Rated Voltage (v)	—		10	16	25	35	50
Dissipation Factor (tanδ)	120Hz, 20°C (Max.)	tanδ	0.24	0.20	0.18	0.16	0.14
		Notes	Exceeding 1,000uF, +0.02 every 1,000uF				
Leakage Current (LC)	After 1 minutes, 20°C (uA, Max.)		Not more than 0.03CV.				
Low Temperature Characteristics	Impedance Ratio (Max.)	Z _{-25°C} /Z _{+20°C}	4	3	2	2	2
		Z _{-40°C} /Z _{+20°C}	12	8	6	4	4
Endurance	150°C, Rated Voltage Applied (With the rated ripple current)	Hours	2,000				
		ΔC/C	Within ±30% of initial value				
		tanδ	300% or less of the initial specified value				
		LC	The initial specified value or less				
Shelf life	150°C	Hours	1,000				
		Other Items	same as those for the endurance.				



Dimensions

D	L	A	B	C	P	α	W
8	10.5	8.3	8.3	9.0	3.1	±0.5	0.7-1.2
10	10.5	10.3	10.3	11.0	4.7	±0.5	0.7-1.2

Rated Ripple Current Multipliers

Frequency (Hz)	120	300	1k	10k up
Coefficient	0.67	0.79	0.91	1.00

Dimensions

uF	10v(1A)		16v(1C)		25v(1E)		35v(1V)		50v(1H)	
	φ DxL	R.C.	φ DxL	R.C.	φ DxL	R.C.	φ DxL	R.C.	φ DxL	R.C.
33									8x10.5	70
47							8x10.5	80	10x10.5	100
100			8x10.5	80	8x10.5	80	8x10.5 10x10.5	80 120		
150			8x10.5	80	8x10.5	80	10x10.5	120		
220	8x10.5	80	8x10.5 10x10.5	80 120	10x10.5	120				
270	8x10.5 10x10.5	80 120	10x10.5	120	10x10.5	120				
330	10x10.5	120								