

GVS 4.5mmL, 105°C, 1000Hrs, Standard Series



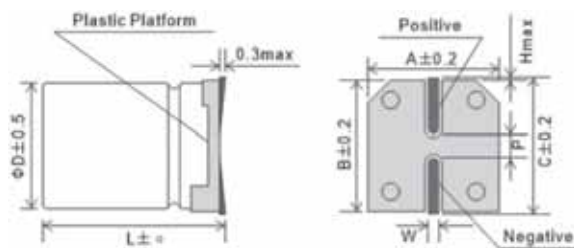
Features

105°C, 1000 hours assured.
Available for high density surface mounting.
High stability and reliability.

Specifications

Item	Condition	Specifications							
Category Temperature Range(°C)	—	-55°C ~ +105°C							
Capacitance Tolerance (%)	120Hz, 20°C	±20%							
Rated Voltage (v)	—	4	6.3	10	16	25	35	50	
Dissipation Factor (tanδ)	120Hz, 20°C (Max.)	tanδ	0.40	0.30	0.24	0.20	0.18	0.16	0.14
		Notes	Exceeding 1,000uF, +0.02 every 1,000uF						
Leakage Current (LC)	After 2 minutes, 20°C (uA, Max.)	0.01CV or 3uA, whichever is greater.							
Low Temperature Characteristics	Impedance Ratio (Max.)	Z _{-25°C} /Z _{+20°C}	7	4	3	2	2	2	2
		Z _{-40°C} /Z _{+20°C}	15	8	5	4	3	3	3
Endurance	105°C, Rated Voltage Applied (With the rated ripple current)	Hours	1,000						
		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	105°C	Hours	1,000						
		Other Items	same as those for the endurance.						

Dimensions



D	L	A	B	C	P	α	W
4	4.5	4.3	4.3	5.0	1.0	±0.3	0.5-0.8
5	4.5	5.3	5.3	6.0	1.5	±0.3	0.5-0.8
6.3	4.5	6.6	6.6	7.3	2.0	±0.3	0.5-0.8

Rated Ripple Current Multipliers

Frequency (Hz)	50	120	1k	10k up
Capacitance (uF)				
Under 100	0.70	1.00	1.3	1.40

GVS Series

■ Dimensions

uF \ WV	4v		6.3v		10v		16v		25v		35v		50v	
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.
0.47													4x4.5	3.3
1.0													4x4.5	5.4
2.2													4x4.5	9.6
3.3													4x4.5	12
4.7									4x4.5	11	4x4.5	13	5x4.5	16
10							4x4.5	16	5x4.5	20	5x4.5	22	6.3x4.5	26
22			4x4.5	19	5x4.5	24	5x4.5	26	6.3x4.5	33	6.3x4.5	36		
33	4x4.5	22	5x4.5	26	5x4.5	30	6.3x4.5	35	6.3x4.5	42	6.3x4.5	45		
47	4x4.5	28	5x4.5	32	6.3x4.5	40	6.3x4.5	44	6.3x4.5	46				
100	5x4.5	44	6.3x4.5	52	6.3x4.5	56	6.3x4.5	58						

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz.

Note2: Produce custom product too, which are not found in these tables.