

GVM Ultra-low Impedance, Small size.
Series



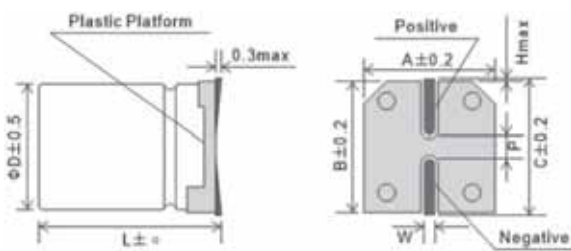
Features

105°C, 2000~5000 hours assured, Ultra-low Impedance.
Impedance 20~30% less than GVZ series.
Available for high density surface mounting.

Specifications

Item	Condition	Specifications								
Category Temperature Range(°C)	—	-55°C ~ +105°C								
Capacitance Tolerance (%)	120Hz, 20°C	±20%								
Rated Voltage (V)	—	6.3	10	16	25	35	50			
Dissipation Factor (tanδ)	120Hz, 20°C (Max.)	tanδ	0.26	0.18	0.16	0.14	0.12	0.10		
		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}	4	3	2	2	2	2	2	
		Z _{-55°C} /Z _{+20°C}	8	5	4	3	3	3	3	
Endurance	105°C, Rated Voltage Applied (With the rated ripple current)	Hours	5,000 (2,000hrs. for Ø4~Ø6.3)							
		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	5.7	4.3	4.3	5.0	1.0	±0.3	0.5-0.8
5	5.7	5.3	5.3	6.0	1.5	±0.3	0.5-0.8
6.3	5.7	6.6	6.6	7.3	2.0	±0.3	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	±0.3	0.5-0.8
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) Capacitance (uF)	50	120	1k	10k	100K
Under 100	0.45	0.65	0.85	0.95	1.00
100 ~ 2200uF	0.50	0.70	0.90	0.95	1.00

GVM Series

■ Dimensions

uF	WV	6.3v(0J)			10v(1A)			16v(1C)			25v(1E)			35v(1V)			50v(1H)		
		ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.
10																4x5.7	2.30	85	
																5x5.7	0.88	165	
22													4x5.7	1.00	160	5x5.7	0.88	165	
33													5x5.7	0.36	240	6.3x5.7	0.68	195	
39										4x5.7	1.00	160	5x5.7	0.36	240	6.3x5.7	0.68	195	
47										5x5.7	0.36	240	5x5.7	0.36	240	6.3x5.7	0.68	195	
56							4x5.7	1.00	160	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x7.7	0.34	350	
68				4x5.7	1.00	160	5x5.7	0.36	240	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x7.7	0.34	350	
100				5x5.7	0.36	240	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x5.7	0.26	300	6.3x7.7	0.34	350	
120	4x5.7	1.00	160	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x5.7	0.26	300	6.3x7.7	0.16	600	8x10.5	0.18	670	
150	5x5.7	0.36	240	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.18	670	
220	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x5.7	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.18	670	
													8x10.5	0.08	850				
330	6.3x5.7	0.26	300	6.3x5.7	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.08	850	10x10.5	0.12	900	
390	6.3x5.7	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.08	850				
470	6.3x5.7	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.06	1190	
560	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.06	1190				
680	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x10.5	0.08	850	10x10.5	0.06	1190	10x10.5	0.06	1190				
820	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.06	1190							
1000	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.06	1190	10x10.5	0.06	1190							
1200	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.06	1190										
1500	8x10.5	0.08	850	10x10.5	0.06	1190	10x10.5*	0.06	1190										
1800	10x10.5	0.06	1190	10x10.5	0.06	1190													
2200	10x10.5	0.06	1190																

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.