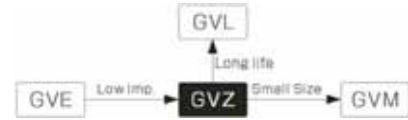


GVZ 105°C, Lower Impedance. Series



Features

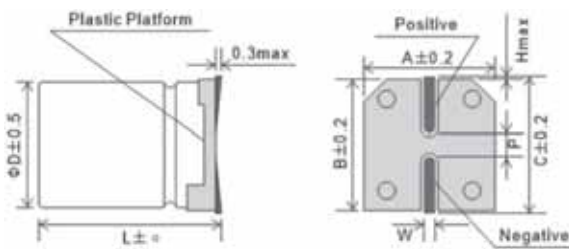
105°C, 2000~3000 hours assured, Extra low Impedance.
 Impedance 50~70% less than GVE series.
 Available for high density surface mounting.



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	63	100		
Dissipation Factor (tanδ)	120Hz, 20°C (Max.)	tanδ	0.26	0.18	0.16	0.14	0.12	0.10	0.10	0.07	
		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	2	
		Z _{-55°C} /Z _{+20°C}	8	5	4	3	3	3	3	3	
Endurance	105°C, Rated Voltage Applied (With the rated ripple current)	Hours	3,000 (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)	50	120	1k	10k	100K
Capacitance (uF)					
Under 100	0.35	0.50	0.70	0.90	1.00
100 ~ 2200uF	0.40	0.65	0.85	0.95	1.00

GVZ 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.
1																4x5.7	2.9	60	
1.5																4x5.7	2.9	60	
2.2																4x5.7	2.9	60	
3.3													4x5.7	1.8	80	4x5.7	2.9	60	
													5x5.7	1.52	85	5x5.7	1.52	85	
4.7													4x5.7	1.8	80	4x5.7	2.9	60	
													5x5.7	1.52	85	5x5.7	1.52	85	
10										4x5.7	1.8	80	4x5.7	1.8	80	5x5.7	1.52	85	
										5x5.7	0.76	150	6.3x5.7	0.88	165	6.3x5.7	0.88	165	
15							4x5.7	1.8	80	4x5.7	1.8	80	5x5.7	0.76	150	6.3x5.7	0.88	165	
22				4x5.7	1.8	80	4x5.7	1.8	80	4x5.7	1.8	80	5x5.7	0.76	150	6.3x5.7	0.88	165	
				5x5.7	0.76	150	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	
33				4x5.7	1.8	80	4x5.7	1.8	80	4x5.7	1.8	80	5x5.7	0.76	150	6.3x5.7	0.44	230	
				5x5.7	0.76	150	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x7.7	0.68	185	
47	4x5.7	1.8	80	4x5.7	1.8	80	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	
				5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.68	185	6.3x7.7	0.68	185	
56	5x5.7	0.76	150	4x5.7	1.8	80	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	
				5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.68	185	6.3x7.7	0.68	185	
68	5x5.7	0.76	150	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	
				6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	6.3x7.7	0.34	280	6.3x7.7	0.34	280	
100	5x5.7	0.76	150	5x5.7	0.76	150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	
				6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.34	350	
150	5x5.7	0.76	150	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	6.3x7.7	0.34	280	6.3x7.7	0.34	280	
				6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.18	670	
220	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x5.7	0.44	230	6.3x7.7	0.34	280	8x10.5	0.17	600	8x10.5	0.17	600	
				6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.18	670	
330	6.3x5.7	0.44	230	6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.18	670	
				6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.17	600	8x10.5	0.17	600	10x12.5	0.16	720	
470	6.3x7.7	0.34	280	6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.5	0.17	600	10x10.5	0.09	820	10x10.5	0.09	820	
				8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.09	820	10x12.5	0.075	820	10x12.5	0.075	820	
680	8x10.5	0.17	600	8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.09	820							
				10x10.5	0.09	820	10x10.5	0.09	820										
1000	8x10.5	0.17	600	8x10.5	0.17	600	8x10.5	0.17	600	10x10.5	0.09	820							
				10x10.5	0.09	820	10x10.5	0.09	820										
1500	8x10.5	0.17	600																
				10x10.5	0.09	820													

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 100KHz.

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

GVZ Series

■ Dimensions

uF \ WV	63v(1J)			80v(1K)			100v(2A)		
	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.
4.7	5x5.7	1.9	70						
10	5x5.7	1.9	70	6.3x5.7	2.4	65	6.3x7.7	1.8	75
	6.3x5.7	1.2	130	6.3x7.7	1.8	75			
22	6.3x5.7	1.2	130	6.3x7.7	1.8	75	8x10.5	1.3	130
	6.3x7.7	0.9	150	8x10.5	1.3	130			
33	6.3x7.7	0.9	150	8x10.5	1.3	130	8x10.5	1.3	130
	8x10.5	0.5	280				10x10.5	0.7	200
47	8x10.5	0.50	280	8x10.5	1.3	130	10x10.5	0.7	200
56	8x10.5	0.50	280	8x10.5	1.3	130	10x10.5	0.7	200
68	8x10.5	0.50	280	10x10.5	0.7	200	10x10.5	0.7	200
82	8x10.5	0.50	280	10x10.5	0.7	200			
	10x10.5	0.25	450						
100	10x10.5	0.25	450	10x10.5	0.7	200			
150	10x10.5	0.25	450						

Note1: Case size $\Phi D \times L$ (mm), ripple current (mA, rms) at 105°C, 120Hz.

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