

GVT 105°C,2000Hrs,Standard Series



Features

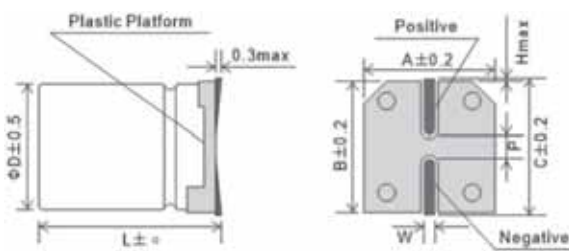
105°C, 2000 hours assured.
Available for high density surface mounting.
High stability and reliability.



Specifications

Item	Condition		Specifications							
Category Temperature Range(°C)	—		-55°C ~ +105°C							
Capacitance Tolerance (%)	120Hz, 20°C		±20%							
Rated Voltage (V)	—		6.3	10	16	25	35	50	63	100
Dissipation Factor (tanδ)	120Hz, 20°C (Max.)	tanδ	0.30	0.24	0.20	0.18	0.16	0.14	0.14	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}	5	4	3	2	2	2	2	2
		Z _{-40°C} /Z _{+20°C}	10	8	6	4	3	3	3	3
Endurance	105°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	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 up
Capacitance (uF)				
Under 100	0.70	1.00	1.35	1.50
100 ~ 2200uF	0.80	1.00	1.20	1.30

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■ Dimensions

uF \ WV	6.3v (0J)		10v (1A)		16v (1C)		25v (1E)		35v (1V)		50v (1H)		63v (1J)		100v (2A)	
	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.	φD x L	R.C.
1.0											4x5.7	7	4x5.7	7	4x5.7	7
2.2											4x5.7	11	4x5.7	11	4x5.7	9
3.3									4x5.7	13	4x5.7	13	5x5.7	13	5x5.8	14
4.7							4x5.7	13	4x5.7	14	4x5.7	13	5x5.7	16	5x5.8	16
6.8							4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	17	6.3x5.7	21
10					4x5.7	18	4x5.7	14	4x5.7	14	5x5.7	18	5x5.7	19	6.3x5.7	35
22			4x5.7	20	4x5.7	20	4x5.7	19	5x5.7	30	6.3x5.7	42	6.3x5.7	40	6.3x7.7	60
33	4x5.7	22	4x5.7	22	4x5.7	22	4x5.7	22	5x5.7	34	6.3x5.7	45	6.3x7.7	53	8x10.5	90
47	4x5.7	25	4x5.7	25	5x5.7	31	5x5.7	35	6.3x5.7	50	6.3x7.7	63	6.3x7.7	75	10x10.5	140
68	4x5.7	25	5x5.7	40	5x5.7	31	6.3x5.7	48	6.3x5.7	50	6.3x7.7	63	8x10.5	125	10x10.5	155
100	5x5.7	39	5x5.7	45	6.3x5.7	60	6.3x5.7	72	6.3x7.7	84	8x10.5	140	8x10.5	135		
150	5x5.7	45	6.3x5.7	62	6.3x5.7	65	6.3x7.7	95	6.3x7.7	100	6.3x7.7	95	8x10.5	155	10x10.5	205
220	6.3x5.7	67	6.3x5.7	70	6.3x7.7	110	6.3x7.7	120	8x10.5	190	10x10.5	220	10x10.5	170	10x12.5	225
330	6.3x7.7	105	6.3x7.7	130	6.3x7.7	120	8x10.5	195	8x10.5	220	8x10.5	225				
470	6.3x7.7	120	6.3x7.7	150	8x10.5	230	8x10.5	240	10x10.5	320	10x10.5	320				
680	8x10.5	210	8x10.5	240	8x10.5	255	10x10.5	350	10x10.5	350						
1000	8x10.5	230	8x10.5	260	10x10.5	330	10x12.5	400								
1500	10x10.5	315	10x12.5	460												
2200	10x10.5	350														

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.