

CV-GS Series Surface Mount Type Low impedance at high frequency (solvent proof) 5.5mm L.

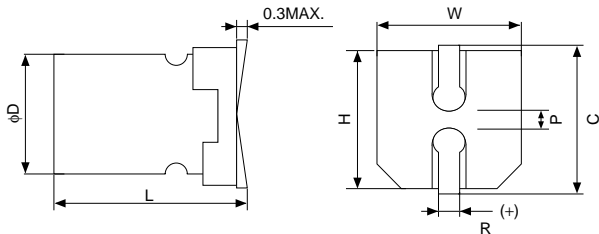
CV-GS series has stable characteristics at the temperature of wide range (-55 to +105°C). Also CV-GS series is 5.5mm MAX. in length, and it keeps up characteristic of the low impedance at high frequency, and solvent proof (within 2 minutes).



Specifications

Items		Specifications				
Rated voltage (V)		6.3	10	16	25	35
Operating temperature range (°C)		-55 to +105				
Capacitance tolerance (%)		±20 (120Hz)				
Tangent of loss angle (tan δ)(MAX.)(120Hz)		0.24	0.20	0.16	0.14	0.12
Leakage current (L.C.)(μA/after 2min.)(MAX.)		The greater value of either 0.01CV or 3				
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-40°C} /Z _{20°C}	3	2	2	2	2
	Z _{-55°C} /Z _{20°C}	5	4	4	3	3
High-temperature load 105°C 1000hrs. rated voltage applied.	ΔC/C	Within ±25% of the initial value				
	tan δ	≤ Twice the initial standard				
	L.C.	≤ The initial standard				
Resistance to soldering heat	Test	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.				
	ΔC/C	Within ±10% of the initial value				
	tan δ	≤ The initial standard				
	L.C.	≤ The initial standard				
Other characteristics		Conform to IEC 384-18				

Dimensions



(unit : mm)

D _{+0.5MAX.}	L _{+0.1 -0.2}	W _{±0.2}	H _{±0.2}	C _{±0.2}	R	P _{±0.2}
4	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2

Size List

μF \ V	6.3			10			16			25			35		
0.47													4	6.5	45
1.0													4	3.6	60
2.2													4	3.4	60
3.3													4	3.2	60
4.7										4	2.9	60	4	2.9	60
10							4	2.9	60	5	1.3	95	5	1.3	95
22	4	2.9	60	5	1.3	95	5	1.3	95	6.3	0.7	140	6.3	0.7	140
33	5	1.3	95	5	1.3	95	6.3	0.7	140	6.3	0.7	140			
47	5	1.3	95	6.3	0.7	140	6.3	0.7	140						
100	6.3	0.7	140	6.3	0.7	140	6.3	0.7	140						

Model No.
16CV10GS

10μF, nominal capacitance
16V, rated voltage

φD
Impedance (Ω) MAX. at 100kHz, 20°C
Ripple current mA r.m.s. (100kHz, 105°C)