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NEW

Surface Mount Type SP-Cap

Series: **G**

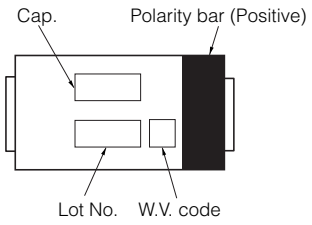
■ Features

- Super Low-ESR (3 mΩ)
- High temperature reflow soldering applicable (Peak : 260 °C 10s, main heating : 230 °C 40s)
- RoHS directive compliant

■ Specifications

Category Temp. Range	–40 °C to +105 °C	
Rated W.V.Range	2 V.DC to 2.5 V.DC	
Nominal Cap.Range	330 µF to 560 µF	
Capacitance Tolerance	±20 % (120 Hz/+20 °C)	
DC Leakage Current	I ≦ 0.1 CV (µA) 2 minutes	
tan δ	≦ 0.06 (120 Hz/+20 °C)	
Surge Voltage	Rated Working Voltage × 1.25 (15 °C to 35 °C)	
Endurance	After applying rated working voltage for 1000 hours at 105 °C±2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits.	
	Capacitance change	±10% of initial measured value
	tan δ	≦ Initial specified value
	DC leakage current	≦ Initial specified value
Moisture resistance	After storing for 500 hours at 60 °C, 90 %	
	Capacitance change of initial measurd value	2 V.DC
		+70, –20 %
	tan δ	≦ 200 % of initial specified value
	DC leakage current	≦ Initial specified value

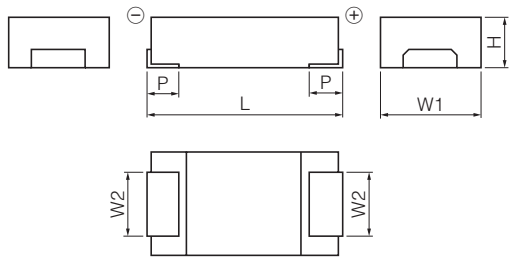
■ Marking



■ Dimensions in mm(not to scale)

(Unit : mm)

2 terminals

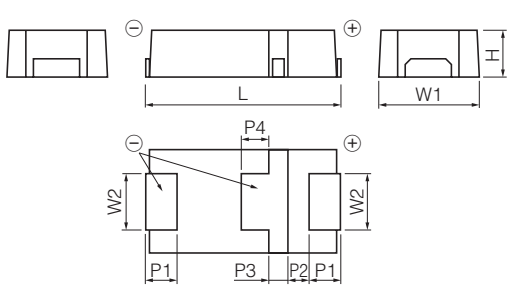


L±0.2	W1±0.2	W2±0.1	H±0.1	P±0.3
7.3	4.3	2.4	1.9	1.3

✻ Externals of figure are the reference.

(Unit : mm)

3 terminals



L±0.2	W1±0.2	W2±0.1	H±0.1	P1±0.3	P2±0.1	P3±0.2	P4±0.2
7.3	4.3	2.4	1.9	1.3	1.1	0.7	1.4

✻ Externals of figure are the reference.

NEW

■ Standard Products

Series & Size Code	Rated W.V. (V.DC)	Capacitance (±20 %) (μF)	Case Size L (mm)	Case Size W (mm)	Case Size H (mm)	Specification ✻1 Ripple current (Ar.m.s.)	Specification ✻2 ESR (Ω max.)	Part number ✻3 Reflow condition : 260 °C [Proposal]	The number of terminals 2	The number of terminals 3	Min. Packaging Q'ty (pcs)
GX	2	330	7.3	4.3	1.9	4.0	0.003	EEFGX0D331R	○		3500
		470	7.3	4.3	1.9	4.0	0.003	EEFGX0D471R	○		3500
		470	7.3	4.3	1.9	4.0	0.003	EEFGX0D471L		○	3500
		560	7.3	4.3	1.9	4.0	0.003	EEFGX0D561R	○		3500
		560	7.3	4.3	1.9	4.0	0.003	EEFGX0D561L		○	3500
	2.5	470	7.3	4.3	1.9	4.0	0.003	EEFGX0E471R	○		3500
		470	7.3	4.3	1.9	4.0	0.003	EEFGX0E471L		○	3500

✻1: Ripple current (100 kHz/ +20 to +105 °C), ✻2: ESR (100 kHz/+20 °C)
✻3: Please refer to the page of "Mouting Specifications".