#### SP-Cap **Surface Mount Type**

Series: GX (Super Low ESR Products)



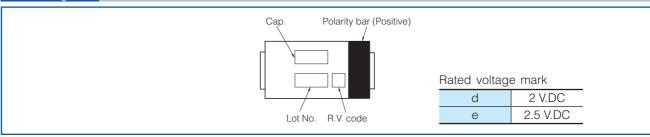
#### **Features**

- Large capacitance (560 µF max.)
- Super Low ESR (3 m $\Omega$  max.)
- Low ESL (3-terminals: 50 % less than 2-terminals) [Suffix: L]
- High ripple current (10200 mAr.m.s. max.)
- RoHS compliance, Halogen free

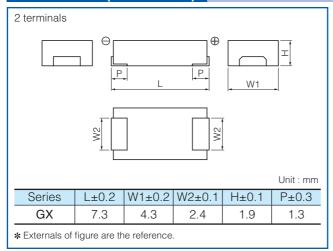
#### **Specifications**

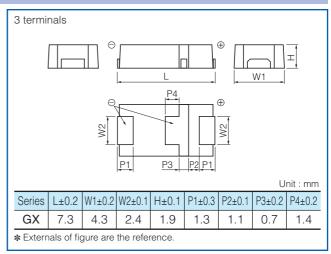
Series	GX				
Category temp. range	−55 °C to +105 °C				
Rated voltage range	2 V.DC to 2.5 V.DC				
Nominal cap.range	330 μF to 560 μF				
Capacitance tolerance	±20 % (120 Hz/+20 °C)				
DC leakage current	l ≤ 0.1 CV (μA) 2 minutes				
Dissipation factor (tan $\delta$ )	≤ 0.06 (120 Hz/+20 °C)				
Surge voltage (V.DC)	Rated voltage × 1.25 (15 °C to 35 °C)				
Endurance	+105 °C, 2000 h, rated voltage applied				
	Capacitance change	Within ±20 % of the initial value			
	$ an \delta$	≤ 2 times of the initial limit			
	DC leakage current	≤ 3 times of the initial limit			
	+60 °C, 90 %, 500 h, No-applied voltage				
Damp heat (Steady state)	Capacitance change of	2 V.DC to 2.5 V.DC			
	initial measurd value	+70 %, -20 %			
	$ an \delta$	≤ 2 times of the initial limit			
	DC leakage current	Within the initial limit			

#### Marking



#### **Dimensions** (not to scale)







### **Conductive Polymer Aluminum Electrolytic Capacitors**

#### **Characteristics list**

										Reflow *3	<standard></standard>
Series	Rated voltage (V.DC)	Capacitance (±20 %) (µF)	Case size (mm)			Specification		The number			Min.*4
			L W	۱۸/	Н	*1 Ripple	#2 ESR	ot termina		Part number	Packaging Q'ty
				VV		current (mAr.m.s.)	$(m\Omega max.)$	2	3		(pcs)
GX	2	330	7.3	4.3	1.9	10200	3	0		EEFGX0D331R	3500
		470	7.3	4.3	1.9	10200	3	0		EEFGX0D471R	3500
			7.3	4.3	1.9	10200	3		0	EEFGX0D471L	3500
		560	7.3	4.3	1.9	10200	3	0		EEFGX0D561R	3500
			7.3	4.3	1.9	10200	3		0	EEFGX0D561L	3500
	NEW 2.5	330	7.3	4.3	1.9	10200	3	0		EEFGX0E331R	3500
		470	7.3	4.3	1.9	10200	3	0		EEFGX0E471R	3500
			7.3	4.3	1.9	10200	3		0	EEFGX0E471L	3500

<sup>\*1:</sup> Ripple current (100 kHz/ +45°C), \*2: ESR (100 kHz/+20 °C)

<sup>\*4:</sup> Please contact us when 500 pcs packing is necessary.

Temperature compensation multipliers	for ripp	le current
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Temp.	T ≦ 45 °C	45 °C < T ≦ 85 °C	85 °C < T ≦ 105 °C
Coefficient	1.0	0.7	0.25

<sup>\*3:</sup> Please refer to the page of "Mounting Specifications".



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