

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SP-Cap **Surface Mount Type**

Series: GX (Super Low ESR Products)



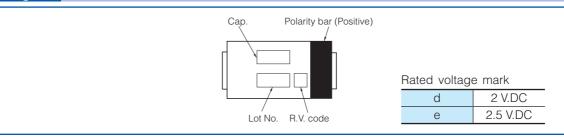
Features

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

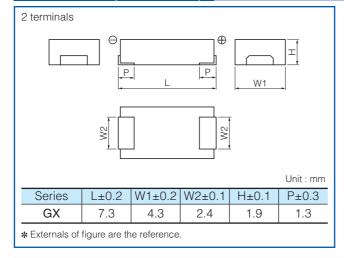
Specifications

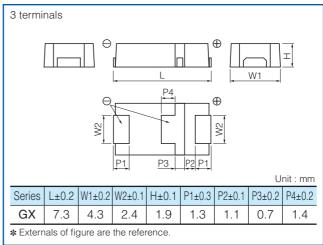
Series	GX				
Category temp. range	−55 °C to +105 °C				
Rated voltage range	2 V.DC to 2.5 V.DC				
Nominal cap.range	330 μF to 560 μF				
Capacitance tolerance	±20 % (120 Hz/+20 °C)				
DC leakage current	l ≤ 0.1 CV (μA) 2 minutes				
Dissipation factor (tan δ)	≤ 0.06 (120 Hz/+20 °C)				
Surge voltage (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)			Specif	Specification The num				Min.*4
			L		Н	*1 Ripple	#2 ESR	of terminals		Part number	Packaging
				W		current (mAr.m.s.)	$(m\Omega max.)$	2 3	Q'ty (pcs)		
GX 2.5		330	7.3	4.3	1.9	10200	3	0		EEFGX0D331R	3500
		470	7.3	4.3	1.9	10200	3	0		EEFGX0D471R	3500
	2		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
	2.5	470	7.3	4.3	1.9	10200	3	0		EEFGX0E471R	3500
			7.3	4.3	1.9	10200	3		0	EEFGX0E471L	3500

^{\$1:} Ripple current (100 kHz/ +45°C), $\,\$2:$ ESR (100 kHz/+20 °C) $\,\$3:$ Please refer to the page of "Mounting Specifications".

^{*4:} Please contact us when 500 pcs packing is necessary.

Tempe	rature com	pensation	multipliers	for rip	ple current
TOTTIPO.	atal o oolii	Polloation	martiphore	101 116	pro ourrout

Temp.	T ≦ 45 °C	45 °C < T ≦ 85 °C	85 °C < T ≦ 105 °C
Coefficient	1.0	0.7	0.25