



GX/GX-L series

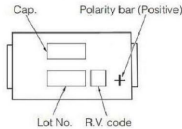
Features

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

Specifications

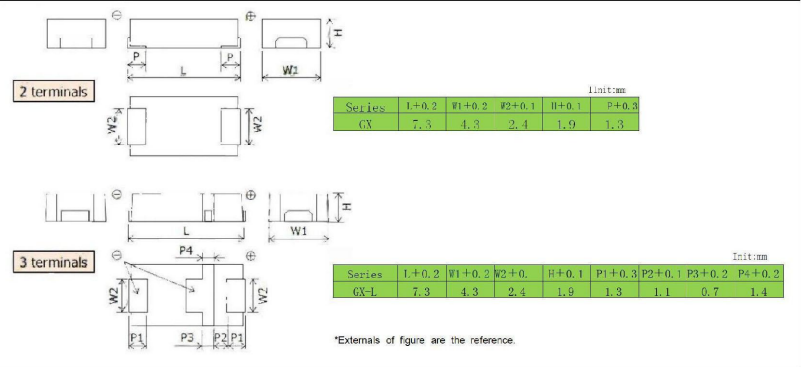
Series	GX	
Category temp.range	-55 $^{\circ}$ C to 105 $^{\circ}$ C	
Rated voltage range	2.0 V to 2.5 V	
Nominal cap.range	330 μ F to 560 μ F	
Capacitance tolerance	$\pm$ 20%(120 Hz/+20 $^{\circ}$ C)	
DC leakage current	I $\leq$ 0.1 CV(μ A)2 minutes	
Dissipation factor (tan δ)	$\leq$ 0.06(120 Hz/+20 $^{\circ}$ C)	
Surge voltage (V)	Rated voltage $\times$ 1.25(-15 $^{\circ}$ C to 35 $^{\circ}$ C)	
Endurance	-105 $^{\circ}$ C 2000 h, rated voltage applied	
	Capacitance change	Within $\pm$ 20%of the initial value
	Dissipation factor (tan δ)	$\leq$ 2 times of the initial limit
	DC leakage current	$\leq$ 3 times of the initial limit
Damp heat (Steady state)	-60 $^{\circ}$ C, 90%, 500 h, No-applied voltage	
	Capacitance change of initial measurd value	2.0 V to 2.5 V +70 %, -20 %
	Dissipation factor (tan δ)	$\leq$ 2 times of the initial limit
	DC leakage current	Within the initial limit

Marking



R.voltage code	Unit:V
d	2.0
e	2.5

Dimensions(not to scale)



Design and specifications are each subject to change without notice.Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product,please be sure to contact us immediately.

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Rated voltage (V)	Capacitance (μ F)	Case size (mm)			Specification		The number of terminals	Part number	Min. Packaging Qty*1 (pcs)	Min. Packaging Qty*1 (pcs)
		L	W	H	Ripple current t*1 (mA rms)	ESR*2 (m Ω max.)			REFL SIZE (13)	REFL SIZE (7)
2.0	330	7.3	4.3	1.9	10200	3	0	EEFGX0D331R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0D471R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0D471L	3500	750
	470	7.3	4.3	1.9	10200	3	0	EEFGX0D561R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0D561L	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0E331R	3500	750
2.5	330	7.3	4.3	1.9	10200	3	0	EEFGX0E331R	3500	750
	470	7.3	4.3	1.9	10200	3	0	EEFGX0E471R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0E471L	3500	750

*1:Ripple current(100kHz/+45℃)

*2:ESR(100kHz/+20℃)

*3:Please contact us when 500 pcs packing is necessary.

◆Please refer to each page in this catalog for "Reflow conditions"and "Taping specifications".

Temperature coefficient of ripple current		
Temperature	$T \leq 45^{\circ}\text{C}$	$45^{\circ}\text{C} < T \leq 85^{\circ}\text{C}$
2.0 V to 2.5 V Coefficient	1.0	0.7

◆Ripple current should be controlled so that surface temperature of capacitor does not exceed the category temperature.