台容积电
tai rong smc

GX/GX-L series

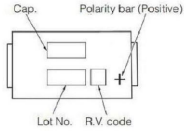
Features

- Large capacitance(560 µF max.)
- Super Low ESR(3 mΩ 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 ℃ to 105 ℃
Rated voltage range		2.0 V to 2.5 V
Nominal cap. range		330 µF to 560 µF
Capacitance tolerance		±20%(120 Hz/+20℃)
DC leakage current		I≤0.1 CV(µA)2 minutes
Dissipation factor (tan δ)		≤0.06(120 Hz/+20℃)
Surge voltage (V)		Rated voltage×1.25(15℃ to 35 ℃)
Endurance	-105 ℃ 2000 h, rated voltage applied	
	Capacitance change	Within ±20%of the initial value
	Dissipation factor (tan δ)	≤2 times of the initial limit
	DC leakage current	≤3 times of the initial limit
Damp heat (Steady state)	-60 ℃, 90%, 500 h, No-applied voltage	
	Capacitance change of initial measurd val ue	2.0 V to 2.5 V +70 %, -20 %
	Dissipation factor (tan δ)	≤2 times of the initial limit
	DC leakage current	Within the initial limit

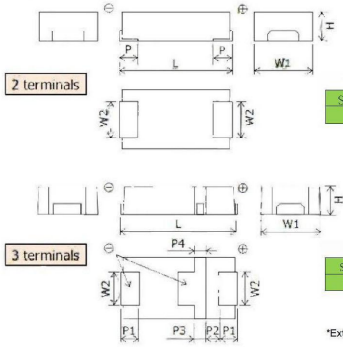
Marking



R. voltage code Unit:V

d	2.0
e	2.5

Dimensions(not to scale)



Unit:mm

Series	L+0.2	W1+0.2	W2+0.1	H+0.1	P+0.3
GX	7.3	4.3	2.4	1.9	1.3

Unit:mm

Series	L+0.2	W1+0.2	W2+0.	H+0.1	P1+0.3	P2+0.1	P3+0.2	P4+0.2
GX-L	7.3	4.3	2.4	1.9	1.3	1.1	0.7	1.4

*Externals of figure are the reference.

Rated voltage (V)	Capacitance (μF)	Case size(mm)			Specification		The number of terminals	Part number	Min. Packaging Q'ty*3 (pcs)	Min. Packaging Q'ty*1 (pcs)
		L	W	H	Ripple current*1 (mA rms)	ESR*2 (mΩ max.)	2		REEL SIZE (13)	REEL SIZE (7)
2.0	330	7.3	4.3	1.9	10200	3	0	EEFGX0D331R	3500	750
	470	7.3	4.3	1.9	10200	3	0	EEFGX0D471R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0D471L	3500	750
	560	7.3	4.3	1.9	10200	3	0	EEFGX0D561R	3500	750
		7.3	4.3	1.9	10200	3	0	EEFGX0D561L	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 catarog for"Reflow conditions"and "Taping specifications".

Temperature coefficient of ripple current			
Temperature	T≤45 ℃	45 ℃<T≤85 ℃	85℃<T≤105 ℃
2.0 V to 2.5 V Coefficient	1.0	0.7	0.25

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