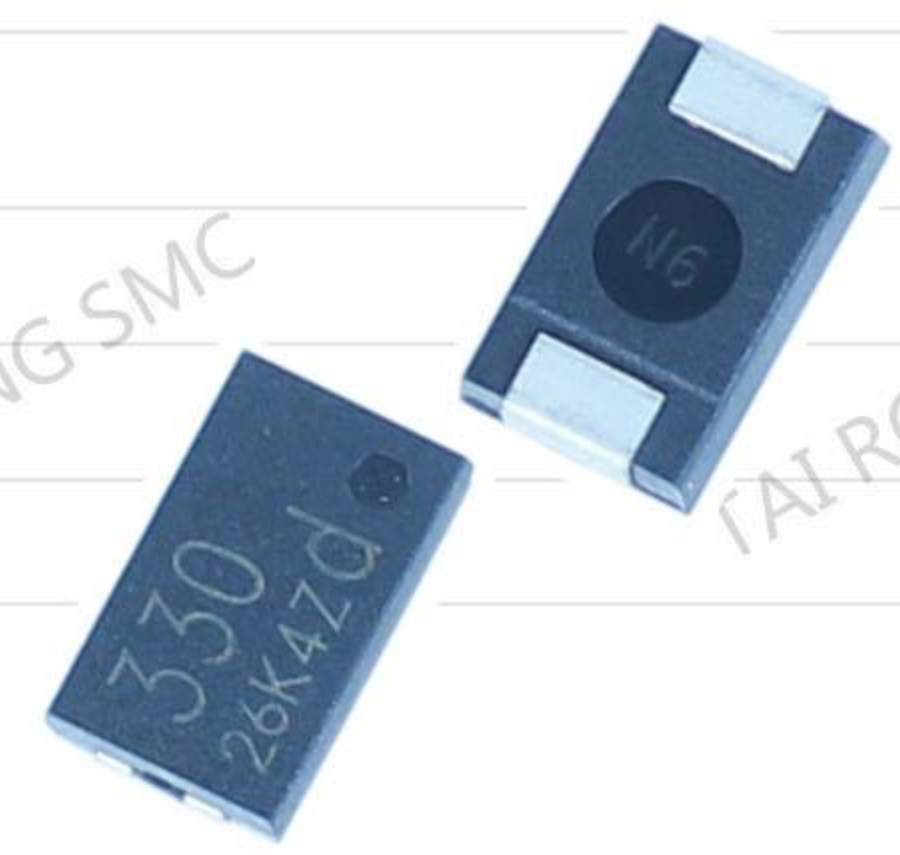


Surface Mount Type

台容积电
tai rong smc
www.trsmc.com.cn



Series: **GX**

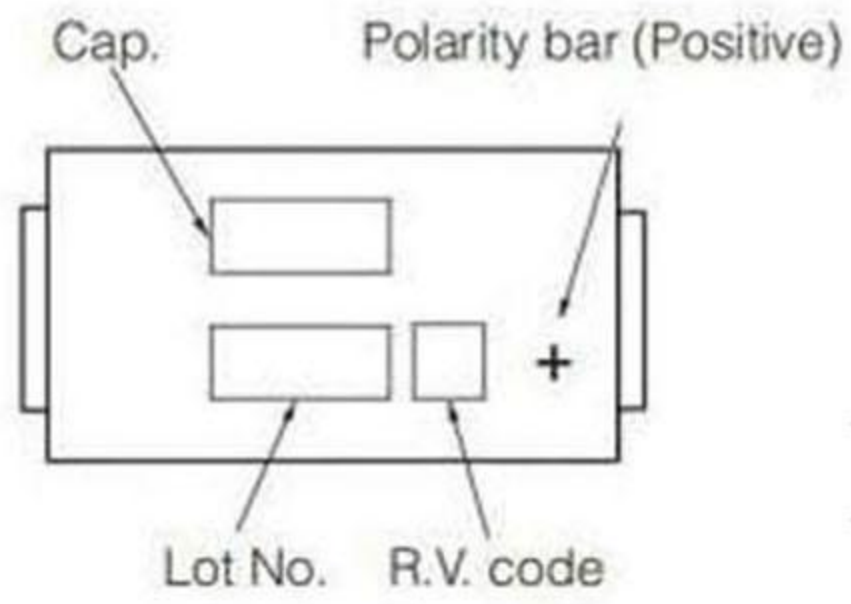
Features

- 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 mAr.m.s.max.)
- RoHS compliance, Halogen free

Specifications

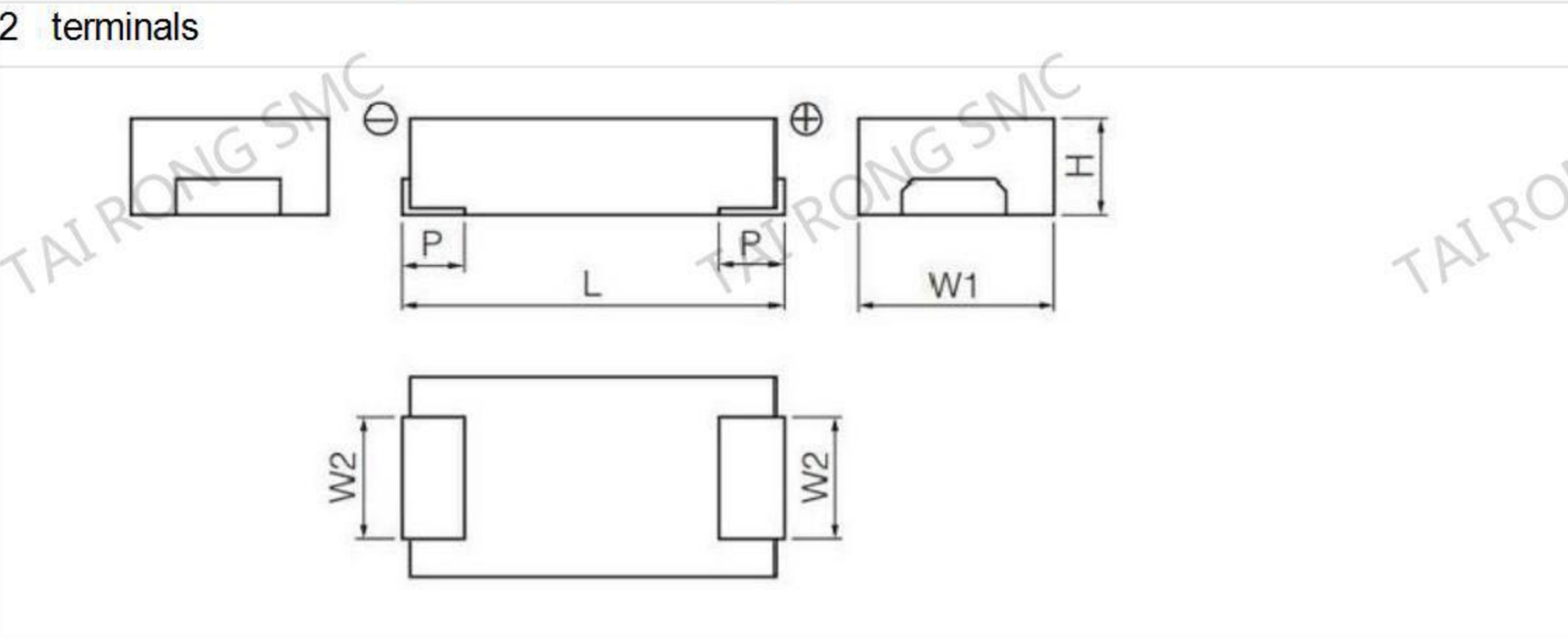
Series	GX	
Category temp. range	-55 $^{\circ}$ C to +105 $^{\circ}$ C	
Rated voltage range	2 V. DC to 2.5 V. DC	
Nominal cap. range	330 μ F to 560 μ F	
Capacitance tolerance	\pm 20% (120 Hz/+20 $^{\circ}$ C)	
DC leakage current	$I \leq 0.1 CV (\mu A)$ 2 minutes	
Dissipation factor (tan δ)	≤ 0.06 (120 Hz/+20 $^{\circ}$ C)	
Surge voltage (V. DC)	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
	tan δ	≤ 2 times of the initial limit
	DC leakage current	≤ 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 V. DC to 2.5 V. DC +70%, -20%
	tan δ	≤ 2 times of the initial limit
	DC leakage current	Within the initial limit

Marking



Rated voltage mark	
d	2 V. DC
e	2.5 V. DC

Dimensions (not to scale)



	Unit:mm				
Series	L \pm 0.2	W1 \pm 0.2	W2 \pm 0.1	H \pm 0.1	P \pm 0.3
GX	7.3	4.3	2.4	1.9	1.3

	Unit:mm							
Series	L \pm 0.2			H \pm 0.1	P1 \pm 0.3	P2 \pm 0.1	P3 \pm 0.2	P4 \pm 0.2
GX	7.3	4.3	2.4	1.9	1.3	1.1	0.7	1.4

*Externals of figure are the reference.

*Externals of figure are the reference.

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.

Characteristics list

Reflow*3

<Standard>

Series	Rated voltage (V. DC)	Capacitance ($\pm 20\%$) (μF)	Case size (mm)			Specification		The number of terminals		Part number	Min. *4 Packaging Q' ty (pcs)
			L	W	H	*1	*2	2	3		
						Ripple current (mAr. m. s.)	ESR (m Ω max.)				
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	
	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.

Temperature compensation multipliers for ripple current

Temp.	$T \leq 45^\circ C$	$45^\circ C < T \leq 85^\circ C$	$85^\circ C < T \leq 105^\circ C$
Coefficient	1.0	0.7	0.25

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07 Nov.2023