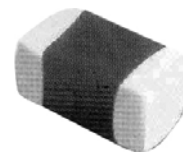


Multilayer Chip Ferrite Bead – EPZ Series

Operating Temp. : -55°C~+125°C



FEATURES

- Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- Monolithic structure for excellent reliability
- Smaller DC resistance and larger allowable current than UPZ series
- Can be used in a wide range of frequency to suppress EMI

APPLICATIONS

- Noise suppression for power lines or large current signal lines of electric equipments, Such as communication equipments, computers, A/V equipments, auto electronics, etc

PRODUCT IDENTIFICATION

EPZ

①

①

Type	
EPZ	Chip Ferrite Bead for Extra High Current

4030

②

U

③

②

External Dimensions (L×W) (mm)	
4030 [1612]	4.0×3.0

300

④

④

Nominal Impedance	
Example	Nominal Value
300	30Ω
560	56Ω

-10R0

⑤

⑤

Rated Current	
10R0	10A

T

⑥

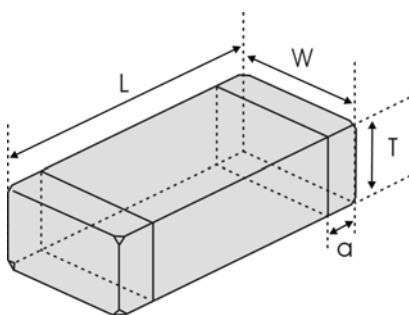
③

Material Code	
D,U	

⑥

Packing	
T	Tape & Reel

SHAPE AND DIMENSIONS



Unit: mm [inch]

Type	L	W	T	a
EPZ4030 [1612]	4.0±0.2 [.158±.008]	3.0±0.2 [.118±.008]	1.6±0.2 [.063±.008]	0.8±0.3 [.031±.012]

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Specifications subject to change without notice. Please check our website for latest information. Revised 2013/10/15

Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China 518110 Tel: 0086-755-29832660 Fax: 0086-755-82269029 E-Mail: sunlord@sunlordinc.com

SPECIFICATIONS

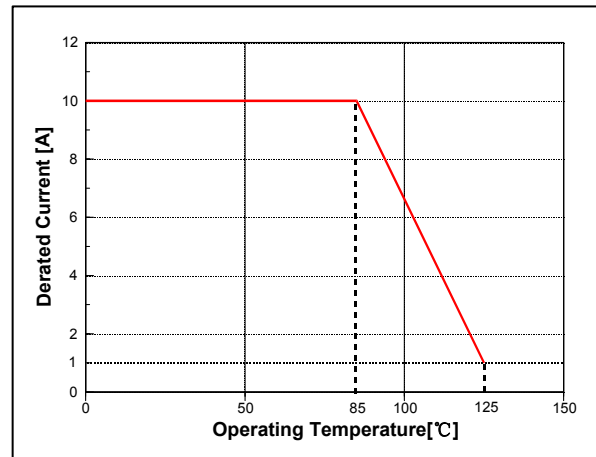
EPZ4030TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	m Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
EPZ4030D300-10R0T	30±25%	100	4	10000	1.6±0.2 [.063±.008]
EPZ4030D400-10R0T	40±25%	100	4	10000	
EPZ4030D560-10R0T	56±25%	100	4	10000	
EPZ4030U300-10R0T	30±25%	100	4	10000	
EPZ4030U400-10R0T	40±25%	100	4	10000	
EPZ4030U560-10R0T	56±25%	100	4	10000	

DETAIL ELECTRICAL CHARACTERISTICS

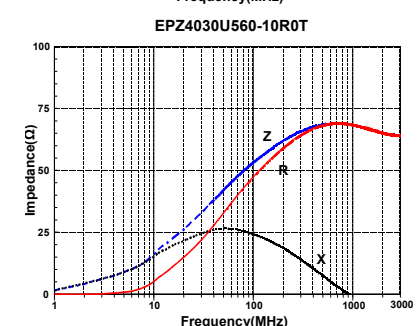
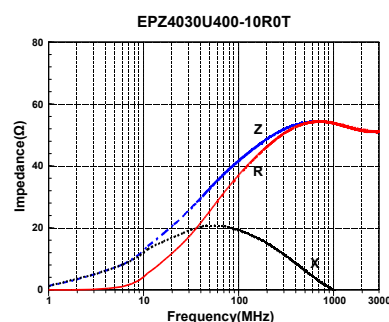
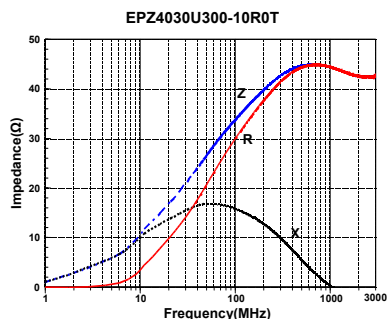
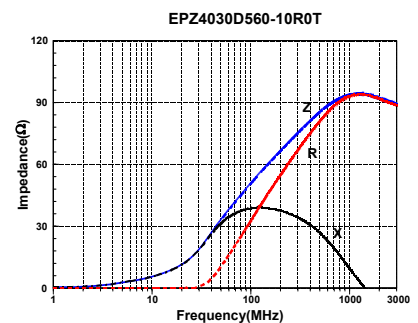
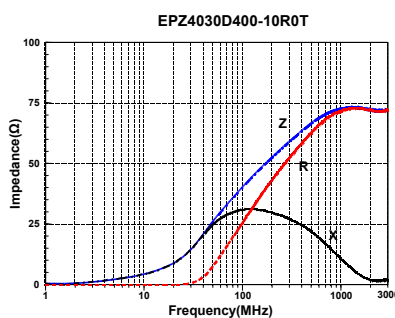
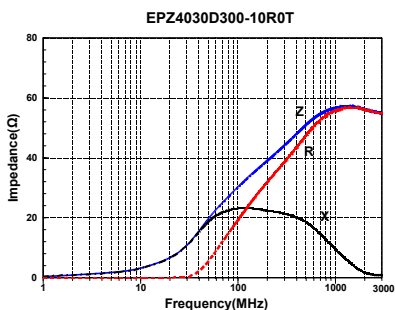
Rated Current

When operating temperatures exceed +85°C, derating of current is necessary for chip ferrite beads for which rated current is 1000mA and over. Please apply the derating curve shown in chart according to the operating temperature.



DETAIL ELECTRICAL CHARACTERISTICS

EPZ4030 Series



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PACKAGING

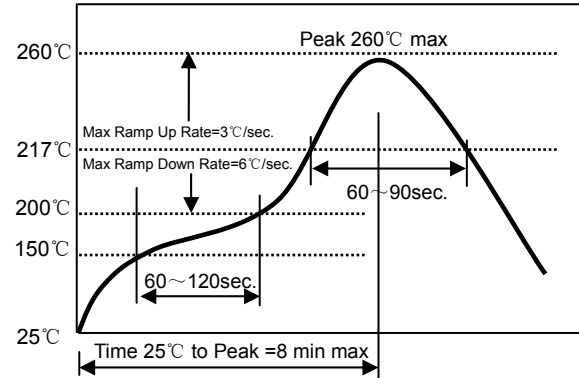
Type	Tape Width	Reel Diameter	Quantity (pcs)
4030 [1612]	12mm	330mm	4K

RECOMMENDED SOLDERING TECHNOLOGIES

● Re-flowing Profile:

- △ Preheat condition: 150 ~200 °C/60~120sec.
- △ Allowed time above 217 °C: 60~90sec.
- △ Max temp: 260 °C
- △ Max time at max temp: 10sec.
- △ Solder paste: Sn/3.0Ag/0.5Cu
- △ Allowed Reflow time: 2x max

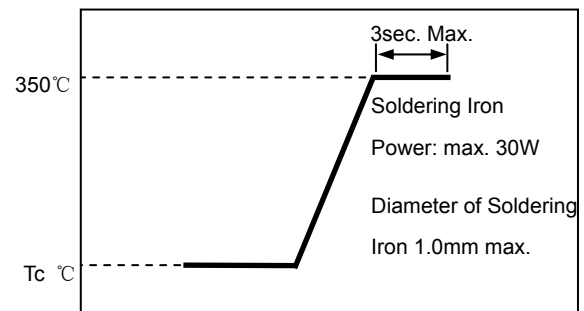
[Note: The reflow profile in the above table is only for qualification and is not meant to specify board assembly profiles. Actual board assembly profiles must be based on the customer's specific board design, solder paste and process, and should not exceed the parameters as the Reflow profile shows.]



● Iron Soldering Profile.

- △ Iron soldering power: Max.30W
- △ Pre-heating: 150 °C/60 sec.
- △ Soldering Tip temperature: 350°C Max.
- △ Soldering time: 3sec Max.
- △ Solder paste: Sn/3.0Ag/0.5Cu
- △ Max.1 times for iron soldering

[Note: Take care not to apply the tip of the soldering iron to the terminal electrodes.]



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