



New ERB-R Series

Micro Chip Fuse



Small, Fast Acting Chip Fuses with High Temperature Performance up to 125°C

Panasonic, a worldwide leader in Resistive Products, is pleased to introduce the **NEW ERB-R Series Micro Chip Fuses** to its already outstanding chip fuse product line. These surface mount micro chip fuses are used to sense and protect against unwanted increases in circuit current, typically caused by overload or short circuits. By providing fast fusing (0.2sec) in a small 0402 package size, designers can use the **ERB-R Series** micro chip fuse to protect valuable and sensitive circuit components such as ICs without giving up extra board space. The **ERB-R series** is introduced to replace the older **ERB-S series**, and expands the usable temperature range to 125°C, up from 100°C in the previous model. Panasonic applies its precision manufacturing expertise, using laser trimmer technology, to allow miniaturization of the fusing element and an overall smaller case size, without any sacrifice in performance.

Features

- Small Case Size: 0402, 0603, 1206 (inch)
- Fast Fusing Time: 0.2 s max at 300% of rated current (at 25°C)
- Rated Temperature Range from -40°C to +125°C
- Rated Current from 0.25A to 5.0A
- UL Recognition
- RoHS Compliant

Benefits

- Save PCB Space
- Fast Acting for Safer Circuit Design
- Reliable Performance in High Temperature Environments

Industries

- Mobile Electronics
- Memory Cards
- Computer Peripherals
- Hard Drives

Applications

- Battery Charging Unit
- DCDC Converter
- DC Power Supplies

Part Number Information

ERB	-R	D	1	R	0	0	X
Micro Chip Fuse	Rectangular Type	Product Shape	Rated Current			Packaging	
D	0402 inch size	0R25	0.25A	1R50	1.50A	X	Pressed Carrier Taping 2mm Pitch, 10K pcs. (ERB-RD)
E	0603 inch size	0R31	0.315A	2R00	2.00A	V	Punched Carrier Taping 4mm Pitch, 5K pcs. (ERB-RE/G)
G	1206 inch size	0R37	0.375A	2R50	2.50A		
		0R50	0.50A	3R00	3.00A		
		0R75	0.75A	4R00	4.00A		
		1R00	1.00A	5R00	5.00A		
		1R25	1.25A				

Additional Information

For detailed specification information on the **ERB-R Series** Micro Chip Fuse, visit our website at:

www.panasonic.com/industrial/electronic-components/resistive-products/