

Anti-Sulfurated High Power Chip Resistors / Wide Terminal Type 2010

Type: **ERJ C1**



■ Features

- High resistance to sulfurization achieved by adopting Anti-Sulfurated electrode structure and material
- High solder-joint reliability by wide terminal construction
- Excellent heat dissipation characteristics by wide terminal construction
- RoHS compliant

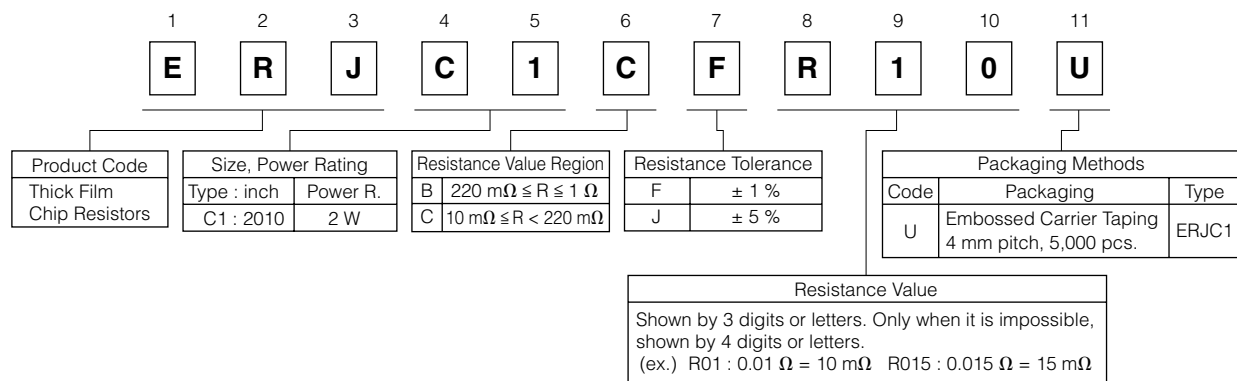
■ Recommended Applications

- Motor control circuit of the industrial equipment
- Automotive electronic circuits including ECUs (Electrical control unit), anti-lock breaking systems and air-bag systems
- Current sensing for power supply circuits in a variety of equipment

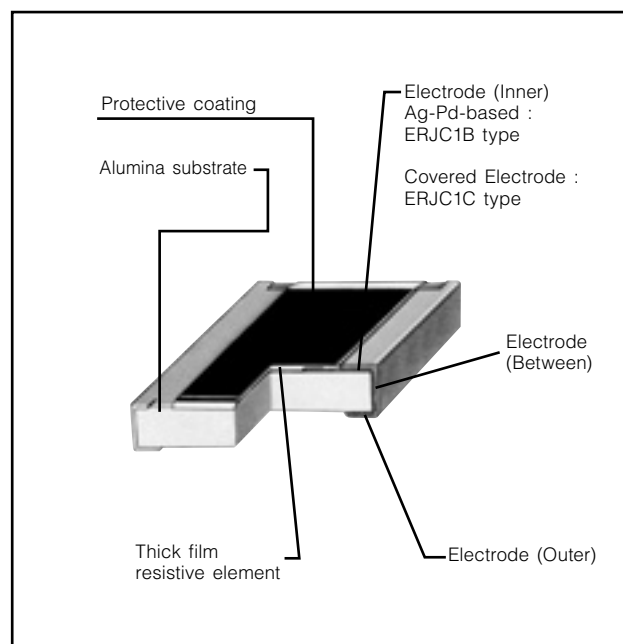
■ Packaging Methods, Land Pattern, Soldering Conditions and Safety Precautions

Please see Data Files

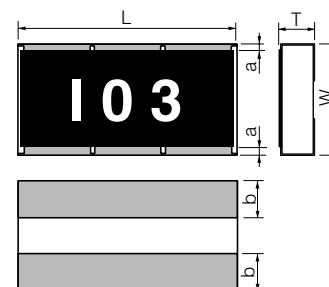
■ Explanation of Part Numbers



■ Construction



■ Dimensions in mm (not to scale)

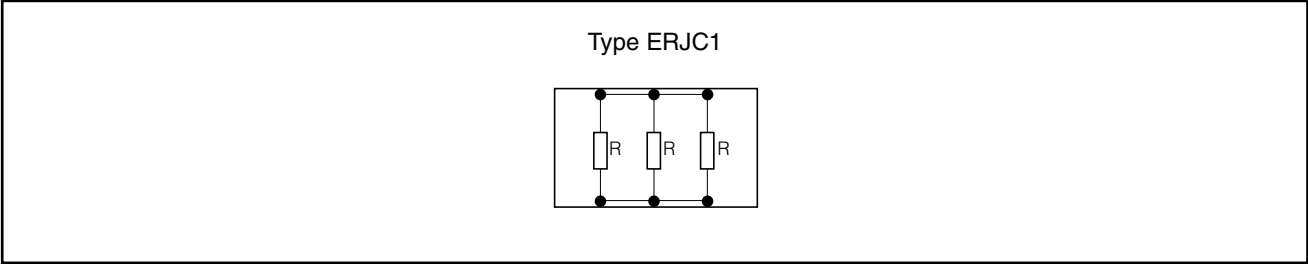


Type (inch size)	Dimensions (mm)					Mass (Weight) [g/1000 pcs.]
	L	W	T	a	b	
ERJC1B (2010)	5.00±0.20	2.50±0.20	0.55±0.20	0.35±0.20	0.90±0.20	27
ERJC1C (2010)				0.60±0.20		

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.

01 Mar. 2013

■ Circuit Configuration



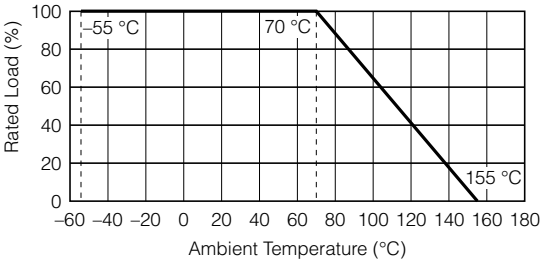
■ Ratings

Type (inch size)	PowerRating at 70 °C ⁽¹⁾ (W)	Resistance Tolerance (%)	Resistance Range (Ω)	T.C.R. (×10 ⁻⁶ /°C)	Category Temperature Range (°C)
ERJC1 (2010)	2	±1	10 m to 1 (E24)	10 mΩ ≤ R < 22 mΩ : ±350 22 mΩ ≤ R < 47 mΩ : ±200 47 mΩ ≤ R < 100 mΩ : ±150 100 mΩ ≤ R ≤ 1 Ω : ±100	-55 to +155
		±5		10 mΩ ≤ R < 22 mΩ : ±350 22 mΩ ≤ R < 1 Ω : ±200	

(1) Use it on the condition that the case temperature is below 155 °C.

Power Derating Curve

For resistors operated in ambient temperature above 70 °C, power rating shall be derated in accordance with the figure on the right.



Mouser Electronics

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