



**THE DATASHEET OF
ERJ-8CWFR012V**





ERJ-8CW Series Line Extension

Thick Film Chip Resistors



Current Sense Resistors, Now Available in a Double Sided 1206 Package Size!

Panasonic, a worldwide leader in Resistor Products, introduces the expansion of the **ERJ-8CW Series** Thick Film Chip Resistors! These current sense resistors are now available in a double sided 1206 package size with a low 50 PPM TCR and ohmic values between 10 and 50 mΩ. Available in 1%, 2%*, and 5% tolerance variants, the **ERJ-8CW Series** meet IEC 60115-8, JIS C 5201-8, and JEITA RC-2144 standards. The Series is also AEC-Q200 Qualified for high reliability in automotive applications.

Features

- Double Sided Resistive Elements
- Low TCR of 50 PPM
- Available in 1%, 2%*, and 5% Tolerance
- Meets IEC 60115-8, JIS C 5201-8, JEITA RC-2144
- AEC-Q200 Qualified, RoHS/REACH151 Compliant

Benefits

- Improved High-Power and Resistance-to-Pulse Capability
- More Stability in Varying Ambient Temperature
- Wide Range of Product Options
- Usable in Automotive Applications

Industries

- Telecommunications
- Industrial
- Automotive
- Home Appliance

Applications

- Smartphones/Tablets/PC
- Measurement Equipment, Factory Automation
- Automotive ECU, BMS
- Refrigerators, Washing Machines

* Available upon request

Part Number Information



Code	Size	Power Rating	Resistance
2BW	0402	0.25W	47mΩ to 100mΩ
3BW	0603	0.33W	20mΩ to 100mΩ
6BW	0805	0.50W	10mΩ to 100mΩ
8BW	1206	1.00W	10mΩ to 100mΩ
8CW	1206	1.00W	10mΩ to 50mΩ

Code	Tolerance
F	±1%
G	±2%
J	±5%

Resistance Value
Shown by 4 Characters (Ex. R047 : 0.047Ω)

Looking for pricing, stock, or lifecycle information?

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 [Panasonic Information](#)

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