



NEW ERJ-P6W Series Anti-Surge Thick-Film Chip Resistors



Anti-Surge Resistor with Double-Sided Design Element to Withstand High-Pulse Signals!

Panasonic, a worldwide leader in Resistor Products, introduces the NEW **ERJ-P6W Series** Anti-Surge Film Chip Resistors! By utilizing a double-sided resistive element, electric current flows through the top and bottom of the element improving pulse characteristics and better protecting the circuit. Boasting a high power rating of 0.5W and 1.5 times higher pulse withstanding capability than previous models, the **ERJ-P6W Series** meets IEC 60115-8, JIS C 5201-8, and EIAJ RC-2134B reference standards. This resistor series is also AEC-Q200 Qualified for high reliability in automotive applications and RoHS and REACH-151 compliant.

Features

- Double-Sided Resistive Elements
- High Power Rating 0.5W
- Excellent ESD properties with resistance change within +/-5%
- 1.5 Times Higher Pulse Withstanding Capability Than Previous Models
- Meets IEC 60115-8, JIS C 5201-8, EIAJ RC-2134B
- AEC-Q200 Qualified, RoHS/REACH151 Compliant

Benefits

- Suitable for High-Power Circuits and Applications
- Minimal Resistance Changes
- Better Circuit Protection

Industries

- Automotive
- Industrial
- Computers and IT

Applications

- Power Supplies
- Personal Computers / Laptops
- Power Meters
- Automation Equipment

Part Number Information

ERJ

P6W

F

1000

V

Series

Case Size

Resistance Tolerance

Resistance

Code	Size	Power Rating
P6W	0805	0.5W
3BW	0603	0.33W
6BW	0805	0.50W
8BW	1206	1.00W
8CW	1206	1.00W

Code	Tolerance
F	±1%
J	±5%

Resistance Value

The first two or three digits are significant figures of resistance and the third or 4th one denotes number of zeros following.

Three digit type (±5%), four digit type (±1%)

Example: 222 → 2.2 kΩ, 1002 → 10 kΩ

Additional Information

For detailed specification information on the **ERJ-P6W Series**, visit our website at:

na.industrial.panasonic.com/products/resistors-inductors/resistors/fixed-resistors/