

High Power Anti-Surge Chip Resistors ERJP

The ERJP thick film resistor series is especially designed for applications where surge suppression is necessary. The anti-pulse characteristics is superior to standard thick film resistor as ERJP series uses a unique laser trimming process which reduces load concentration and surface temperature rise. Additionally, the series has a higher power range which enables significant downsizing.



Overview

- Superior anti-pulse characteristics
- Unique laser trimming process, reducing load concentration and surface temperature rise
- Soft resin technology for most reliable solder joint
- Downsizing by high power range in small size
- Suitable for both reflow and flow soldering
- AEC-Q200 compliant

Best-in-class for high demanding applications



Automotive

- ADAS
- Infotainment & HMI
- Power train



Industrial

- Industrial automation
- Machine building
- Factory automation



Building Automation

- Energy management
- Lighting
- Comfort automation / IoT

Key Features

- Size 0402, 0603, 0805, 1206, 1210
- Power rating 0.2 to 0.66W
- Resistance range 1Ω to 1MΩ (E24, E96)
- Ambient temperature -55 to +155°C
- Standards: IEC 60115-8, JIS C 5201-8, JEITA RC-2134C

Downsizing your application

ERJP series has a higher power range in comparison to standard thick film resistors which results in a smaller size. Beside the reduced risk of a solder joint crack, the smaller size and lower weight contributes to further miniaturization. Additionally less material stands for a more environment friendly component.