

Metal Film Resistors, Industrial, Zero Ohm Jumper Resistor



FEATURES

- Provides low resistance circuit interconnections
- Color band marking for ease of identification after mounting
- Flame retardant coating
- Compatible with automatic insertion equipment
- Tape and reel packaging
- Lead (Pb)-Free version is RoHS Compliant



RoHS*
COMPLIANT

| STANDARD ELECTRICAL SPECIFICATIONS | | | | |
|------------------------------------|------------------|--------------------------------|-------------------|-----------|
| GLOBAL MODEL | HISTORICAL MODEL | MAXIMUM RESISTANCE VALUE mΩ | MAXIMUM CURRENT A | |
| | | | @ + 25°C | @ + 150°C |
| FRJ50 | FRJ-50 | 10 | 25 | 0 |

| TECHNICAL SPECIFICATIONS | | |
|--|---------------------|--------------|
| PARAMETER | UNIT | FRJ50 |
| Insulation Resistance - Dry | MΩ | 10,000 |
| Insulation Resistance - Wet | MΩ | 100 |
| Category Temperature Range | °C | - 55 / + 155 |
| Dielectric Strength - Atmospheric - Reduced | V _{RMS} | 500 |
| | V _{RMS} | 325 |
| Failure Rate | 10 ⁻⁹ /h | < 10 |
| Weight | g | 0.1 |

| MATERIAL SPECIFICATIONS | | | |
|--------------------------|--|-----------------------|---|
| Insulation Flammability: | Self extinguishing 10 seconds after flame is removed | Solder plated copper: | Tin-plated copper or Tin/Lead plated copper |

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: FRJ50R36 (preferred part numbering format)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|--|--|--|
| F | R | J | 5 | 0 | R | 3 | 6 | | | |
|---|---|---|---|---|---|---|---|--|--|--|

GLOBAL MODEL

FRJ50

PACKAGING

E36 = Lead Free, T/R (5000 pcs)

R36 = Tin/Lead, T/R (5000 pcs)

SPECIAL

Blank = Standard (Dash Number) (up to 3 digits) From 1-999 as applicable

Historical Part Number example: FRJ-50 (will continue to be accepted)

FRJ-50

HISTORICAL MODEL

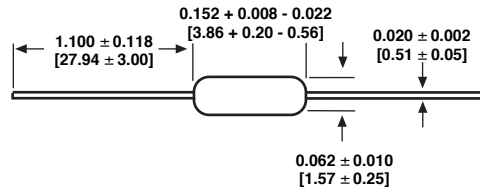
R36

PACKAGING

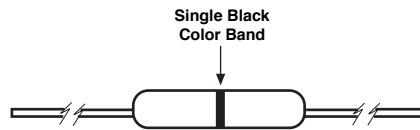
* Pb containing terminations are not RoHs compliant, exemptions may apply

DIMENSIONS in inches [millimeters]

FRJ50



MARKING



PACKAGING

Taped Lead and Reel Package
(52.4mm inside tape spacing per EIA-296-E).

Notes:

1. Quantity per reel: 5,000 pieces in 5,000-piece increments.
2. A minimum of 12.0" [305mm] bare tape leader shall be provided at each end of the reel.
3. Paper separator protection between layers of components.
4. Reel arbor hole is 1.25" [31.75mm].



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