

## Metal Film Resistors, Zero Ohm Jumper, Industrial



### 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
- Compliant to RoHS directive 2002/95/EC



**RoHS\***  
COMPLIANT

### STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	MAXIMUM RESISTANCE VALUE mΩ	MAXIMUM CURRENT A	
			AT + 25 °C	AT + 150 °C
FRJ50	FRJ-50	10	25	0

#### Note

- DSCC has created a drawing to support the need for an axial-leaded zero-ohm jumper product. Vishay Dale is listed as a resource on this drawing as follows:

DSCC DRAWING NUMBER	VISHAY DALE MODEL	MAXIMUM RESISTANCE mΩ	MAXIMUM CURRENT RATING A
A-A-55502	FRJ50	10	5

This drawing can be viewed at: [www.dsccl.dla.mil/Programs/MilSpec/ListDwgs.asp?DocType=DSCCdwg](http://www.dsccl.dla.mil/Programs/MilSpec/ListDwgs.asp?DocType=DSCCdwg)

### TECHNICAL SPECIFICATIONS

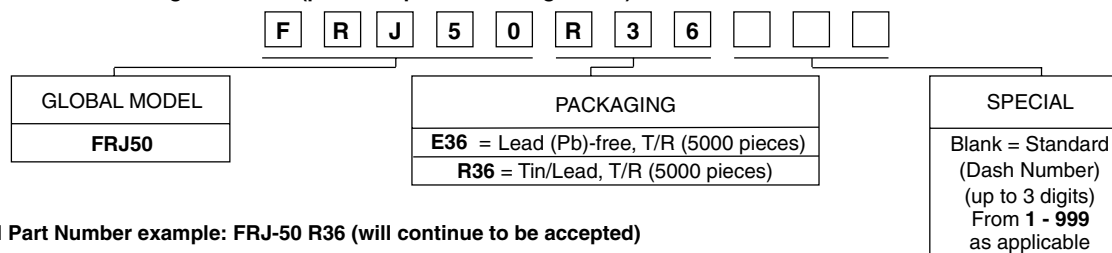
PARAMETER	UNIT	FRJ50
Insulation Resistance - Dry	MΩ	10 000
Insulation Resistance - Wet	MΩ	100
Category Temperature Range	°C	- 55/+ 155
Dielectric Strength	- Atmospheric $V_{RMS}$	500
	- Reduced $V_{RMS}$	325
Failure Rate	$10^{-9}/h$	< 10
Weight	g	0.1

### MATERIAL SPECIFICATIONS

Insulation Flammability	Self extinguishing 10 s after flame is removed	Solder plated copper	Tin-plated copper or tin/lead plated copper
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### GLOBAL PART NUMBER INFORMATION

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

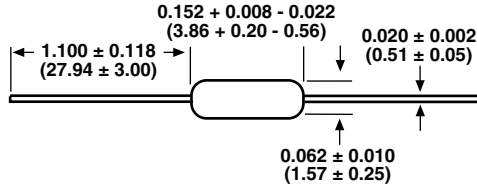
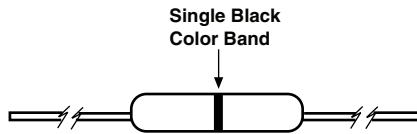


Historical Part Number example: FRJ-50 R36 (will continue to be accepted)



\* Pb containing terminations are not RoHS compliant, exemptions may apply

**DIMENSIONS** in inches (millimeters)

**FRJ50**

**MARKING**

**PACKAGING**

Taped Lead and Reel Package

(52.4 mm inside tape spacing per EIA-296-E)

**Notes**

- Quantity per reel: 5000 pieces in 5000-piece increments
- A minimum of 12.0" (305 mm) bare tape leader shall be provided at each end of the reel
- Paper separator protection between layers of components
- Reel arbor hole is 1.25" (31.75 mm)



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