VISHAY
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FRJ
Vishay Dale

Metal Film Resistors, Zero Ohm Jumper, Industrial

Product is End of Life Dec-2018
per PTN-DR-00011-2018, Rev 0

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
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Pb-free Available

e3

RoHS* Available

Note

* This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

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: http://www.landandmaritime.dla.mil/Programs/MilSpec/ListDwgs.aspx?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 - Reduced	V_{RMS} V_{RMS}	500 325
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

GLOBAL PART NUMBER INFORMATION

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

F	R	J	5	0	R	3	6			

GLOBAL MODEL	PACKAGING	SPECIAL
FRJ50	**E36** = Lead (Pb)-free, T/R (5000 pieces) **R36** = Tin/Lead, T/R (5000 pieces)	Blank = Standard (Dash Number) (up to 3 digits) From **1 - 999** as applicable

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

FRJ-50	R36
HISTORICAL MODEL	PACKAGING

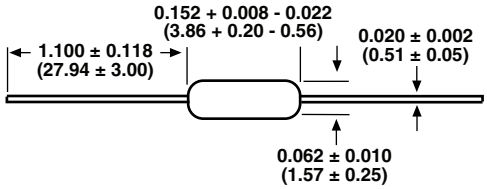
Note

- For additional information on packaging, refer to the Through-Hole Resistor Packaging document (www.vishay.com/doc?31544)

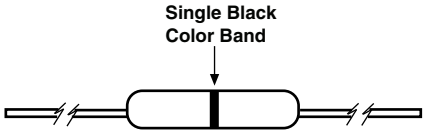
For technical questions, contact: ff2aresistors@vishay.com

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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