

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.vishav.com/doc?99912



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 MAXIMUM RESISTANCE VALUE MODEL 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	$\begin{array}{c} \textbf{MAXIMUM RESISTANCE} \\ \textbf{m}\Omega \end{array}$	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		ΜΩ	10 000	
Insulation Resistance - W	Vet	ΜΩ	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 Globa	New Global Part Numbering: FRJ50R36 (preferred part numbering format)					
		FRJ	5 0 R 3 6			
	GLOBAL MODEL		PACKAGING		SPECIAL	
	FRJ50		E36 = Lead (Pb)-free, T/R (50	000 pieces)	Blank = Standard	
		R36 = Tin/Lead, T/R (5000	pieces)	(Dash Number)		
Historical Part Number example: FRJ-50 R36 (will continue to be accepted)					(up to 3 digits) From 1 - 999 as applicable	
		FRJ-50		R36		
		HISTORICAL MODE		PACKAGING		

Note

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

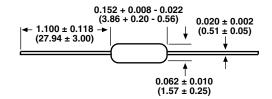


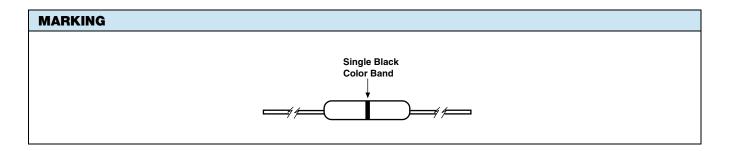
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DIMENSIONS in inches (millimeters)

FRJ50





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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Vishay

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