

WRF2JT150R Datasheet



DiGi Electronics Part Number	WRF2JT150R-DG
Manufacturer	Stackpole Electronics Inc
Manufacturer Product Number	WRF2JT150R
Description	RES 150 OHM 5% 2W AXIAL
Detailed Description	150 Ohms ±5% 2W Through Hole Resistor Axial Flame Proof, Moisture Resistant, Safety Wirewound

<https://www.DiGi-Electronics.com>

This model WRF2JT150R is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

WRF2JT150R

Series:

WRF

Resistance:

150 Ohms

Power (Watts):

2W

Features:

Flame Proof, Moisture Resistant, Safety

Operating Temperature:

-55°C ~ 200°C

Supplier Device Package:

Axial

Height - Seated (Max):

-

Failure Rate:

-

Manufacturer:

Stackpole Electronics Inc

Product Status:

Obsolete

Tolerance:

±5%

Composition:

Wirewound

Temperature Coefficient:

-80/ +900ppm/°C

Package / Case:

Axial

Size / Dimension:

0.197" Dia x 0.630" L (5.00mm x 16.00mm)

Number of Terminations:

2

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8533.21.0080

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

WRF Series

Conformal Coated Wirewound Resistor

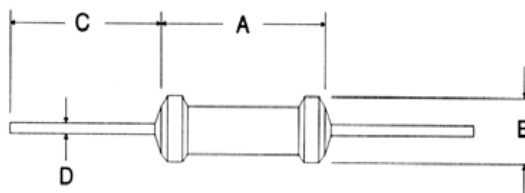
Stackpole Electronics, Inc.
Resistive Product Solutions

- Features:
- Conformal coating
 - Flameproof construction
 - Cut and formed product is available on select sizes
Contact factory for details
 - RoHS compliant / lead-free



Electrical Specifications

Type / Code	Power Rating (Watts) @ 25°C	Maximum Working Voltage	Dielectric Withstanding Voltage (RMS)	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
					5%
WRF1	1W	\sqrt{PR}	700V	-80ppm/°C ~ +900ppm/°C	0.1 - 33
WRF2	2W	\sqrt{PR}	700V	-80ppm/°C ~ +900ppm/°C	0.1 - 220
WRF3	3W	\sqrt{PR}	700V	-80ppm/°C ~ +900ppm/°C	0.1 - 220



Mechanical Specifications

Type / Code	A Body Length	B Body Width	C Lead Length (Bulk)(1)	D Lead Diameter	Unit
WRF1	0.433 max	0.197 max	1.102 \pm 0.118	0.031 \pm 0.002	inches
	11.00 max	5.00 max	28.00 \pm 3.00	0.78 \pm 0.05	mm
WRF2	0.630 max	0.197 max	1.102 \pm 0.118	0.031 \pm 0.002	inches
	16.00 max	5.00 max	28.00 \pm 3.00	0.78 \pm 0.05	mm
WRF3	0.630 max	0.197 max	1.102 \pm 0.118	0.031 \pm 0.002	inches
	16.00 max	5.00 max	28.00 \pm 3.00	0.78 \pm 0.05	mm

(1) See "Resistor Packaging Specification Document" for lead length dimension for tape and reel packaged product.

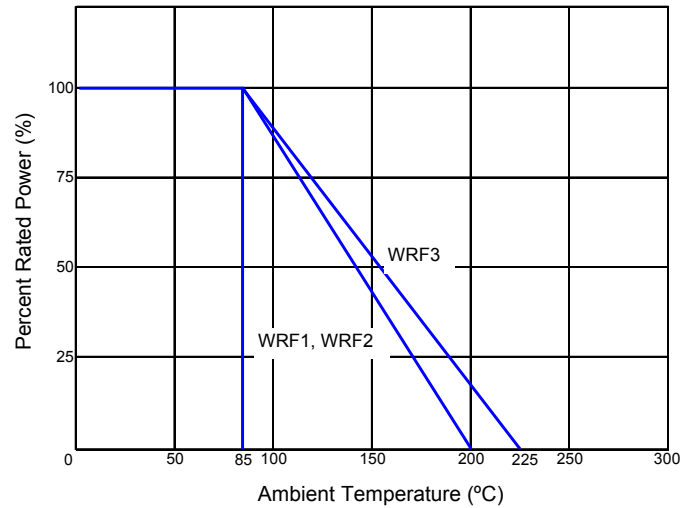
Performance Characteristics

Test	Test Results
Rated Ambient Temperature	85°C
Overload 15 Times the Rated Wattage	Open circuit within 2 minutes
Short Time Overload	\pm 3% + 0.05 Ω
Effective Soldering	\pm 2% + 0.05 Ω
Insulation Resistance	>10 ⁴ M Ω
Dielectric Withstanding Volt	\pm 2% + 0.05 Ω
Load Life @ 70°C - 1,000 hrs.	\pm 5% + 0.05 Ω
Moisture Resistance	\pm 5% + 0.05 Ω
Shock and Vibration	\pm 1% + 0.05 Ω
Solderability	90% tin covered min.
Temperature Coefficient	-80ppm/°C ~ +900ppm/°C

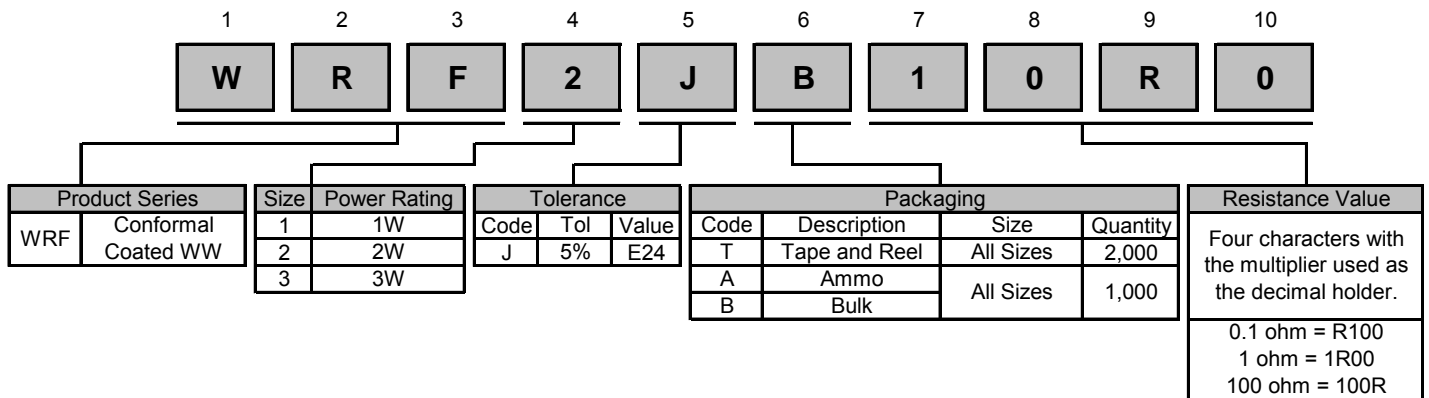
Operating Temperature Range: -55°C to +200°C (WRF 1, 2)
-55°C to +225°C (WRF 3)

WRF Series
Conformal Coated Wirewound Resistor

Power Derating Curve:



How to Order



Legacy Part Number (before January 3, 2011):

SEI Type		Code	Nominal Resistance	Tolerance	Packaging					
WRF		2	10R	5%	A					
Type	Description	Code			Tol	Values	Type	Pkg Qty	Description	Code
WRF	Conformal Coated WW	1			5%	E24	All	1,000	Bulk	A
		2					All	2,000	Tape and Reel	R
		3					All	1,000	Ammo	T

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