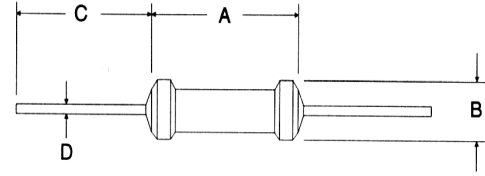


WRF Series — Consumer Grade - Conformal Coated Wirewound

Features

- Conformal coating
- Flameproof construction
- Temperature coefficient of resistance of $\pm 100\text{ppm}/^\circ\text{C}$
- 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 and Tolerance
					5%
WRF 1	1W	$\sqrt{\text{PR}}$	700	$\pm 200 \text{ ppm}/^\circ\text{C}$	0.1Ω – 680Ω
WRF 2	2W	$\sqrt{\text{PR}}$	700	$\pm 200 \text{ ppm}/^\circ\text{C}$	0.1Ω – 1.2K
WRF 3	3W	$\sqrt{\text{PR}}$	700	$\pm 200 \text{ ppm}/^\circ\text{C}$	0.1Ω – 1.2K

Mechanical Specifications

Type / Code	A Body Length	B Body Width	C Lead Length (Bulk)	D Lead Diameter	Units
WRF 1	0.433 max 11.0 max	0.197 max 5.0 max	1.10 ± 0.08 28.0 ± 2.0	0.031 ± 0.002 0.78 ± 0.05	inches mm
WRF 2	0.630 max 16.0 max	0.197 max 5.0 max	1.10 ± 0.08 28.0 ± 2.0	0.031 ± 0.002 0.80 ± 0.05	inches mm
WRF 3	0.630 max 16.0 max	0.197 max 5.0 max	1.10 ± 0.12 28.0 ± 3.0	0.031 ± 0.002 0.80 ± 0.05	inches mm

Performance Characteristics

Test	Test Results
Moisture Resistance	$\pm 5\% + 0.05\Omega$
Thermal Shock	$\pm 2\% + 0.05\Omega$
Load Life @ 70°C – 1,000 hrs	$\pm 5\% + 0.05\Omega$
Shock and Vibration	$\pm 1\% + 0.05\Omega$
Resistance to Soldering Heat	$\pm 2\% + 0.05\Omega$
Short Time Overload	$\pm 3\% + 0.05\Omega$
Operating Temperature Range	-55°C to +250°C

How to Order

