

- Features:
- Fuses quickly under continuous overload of 15X rated power or greater
 - High performance for low cost
 - High power to size ratio
 - High temperature silicone coating
 - RoHS compliant / lead-free
 - Bulk packaging available – contact Stackpole for package quantities

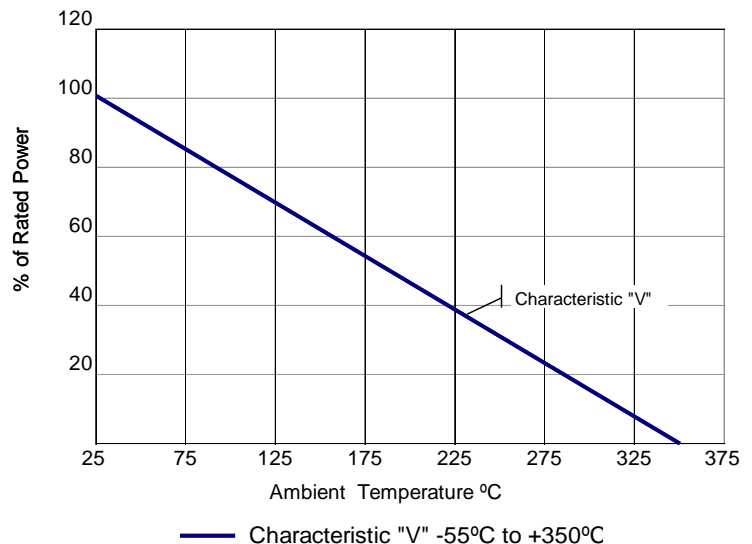


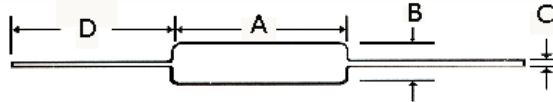
Electrical Specifications					
Type / Code	Dielectric Strength (V)	Power Rating (Watts) @ 25°C	Power Rating (Watts) @ 70°C	TCR (ppm/°C)	Ohmic Range (Ω) and Tolerance
					5%
WWF12	500V	0.6W	0.5W	±20ppm/°C	10 - 2K
WWF1	500V	1.2W	1.1W		10 - 3K
WWF1A	500V	1.5W	1.3W		10 - 7K
WWF2	1000V	2.5W	2.1W		10 - 10K
WWF2A	1000V	3.0W	2.6W		10 - 15K
WWF3	1000V	3.7W	3.2W		10 - 22K
WWF3A	1000V	4.0W	3.4W		10 - 30K
WWF4	1000V	5.0W	4.3W		10 - 40K
WWF5	1000V	6.0W	5.1W		10 - 50K
WWF7	1000V	8.5W	7.2W		10 - 70K
WWF7B	1000V	9.0W	7.7W		10 - 100K
WWF10	1000V	13W	11W		10 - 150K

Performance Characteristics	
Test	Results
Fuse Test @ 220 Vac (1)	Typically fuses in less than 1 second
Moisture Resistance	1% max
Load Life	1%
Temperature Cycling	0.5%
Short Time Overload	1%

Note (1): Valid only if resistance value is low enough that the test voltage causes overload of 15X rated power or more.

Power Derating Curve:





Mechanical Specifications					
Type / Code	A	B	C	D (Bulk) (1)	Unit
WWF12	0.312 ± 0.062	0.110 ± 0.031	0.025 ± 0.002	1.500 typ.	inches
	7.92 ± 1.57	2.79 ± 0.79	0.62 ± 0.05	38.10 typ.	mm
WWF1	0.375 ± 0.062	0.110 ± 0.031	0.025 ± 0.002	1.500 typ.	inches
	9.53 ± 1.57	2.79 ± 0.79	0.64 ± 0.05	38.10 typ.	mm
WWF1A	0.420 ± 0.062	0.110 ± 0.031	0.025 ± 0.002	1.500 typ.	inches
	10.67 ± 1.57	2.79 ± 0.79	0.64 ± 0.05	38.10 typ.	mm
WWF2	0.370 ± 0.062	0.156 ± 0.031	0.032 ± 0.002	1.500 typ.	inches
	9.40 ± 1.57	3.96 ± 0.79	0.81 ± 0.05	38.10 typ.	mm
WWF2A	0.550 ± 0.062	0.156 ± 0.031	0.032 ± 0.002	1.500 typ.	inches
	13.97 ± 1.57	3.96 ± 0.79	0.81 ± 0.05	38.10 typ.	mm
WWF3	0.560 ± 0.062	0.187 ± 0.031	0.032 ± 0.002	1.500 typ.	inches
	14.22 ± 1.57	4.75 ± 0.79	0.81 ± 0.05	38.10 typ.	mm
WWF3A	0.500 ± 0.062	0.218 ± 0.031	0.032 ± 0.002	1.500 typ.	inches
	12.70 ± 1.57	5.54 ± 0.79	0.81 ± 0.05	38.10 typ.	mm
WWF4	0.700 ± 0.062	0.270 ± 0.031	0.036 ± 0.002	1.500 typ.	inches
	17.78 ± 1.57	6.86 ± 0.79	0.91 ± 0.05	38.10 typ.	mm
WWF5	0.875 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	1.500 typ.	inches
	22.23 ± 1.57	7.92 ± 0.79	0.91 ± 0.05	38.10 typ.	mm
WWF7	1.000 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	1.500 typ.	inches
	25.40 ± 1.57	7.92 ± 0.79	0.91 ± 0.05	38.10 typ.	mm
WWF7B	1.200 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	1.500 typ.	inches
	30.48 ± 1.57	7.92 ± 0.79	0.91 ± 0.05	38.10 typ.	mm
WWF10	1.780 ± 0.062	0.375 ± 0.031	0.036 ± 0.002 (2)	1.500 typ.	inches
	45.21 ± 1.57	9.53 ± 0.79	0.91 ± 0.05 (2)	38.10 typ.	mm

(1) See "Resistor Packaging Specification Document" for lead length dimension for tape and reel packaged product
 (2) Available in 0.040" (1.02 mm)

How to Order

1 2 3 4 5 6 7 8 9 10

W W F 1 J T 1 0 K 0

Product Series		Size Code	Power @ 25°C	Power @ 70°C	Tolerance		Packaging			Resistance Value	
WWF	General Purpose Fusing Wirewound	12	0.6W	0.5W	Code	Tol	T	11" reel tape	Size	Quantity	Four characters with the multiplier used as the decimal holder. 10 ohm - 10R0 2 Kohm = 2K00 100 Kohm = 100K
		1	1.2W	1.1W	J	5%			WWF12, WWF1, WWF1A	2,500	
		1A	1.5W	1.3W					WWF2, WWF2A, WWF3, WWF4	2,000	
		2	2.5W	2.1W					WWF3A	750	
		2A	3W	2.6W					WWF5, WWF7, WWF7B	50	
		3	3.7W	3.2W					WWF10	250	
		3A	4W	3.4W							
		4	5W	4.3W							
		5	6W	5.1W							
		7	8.5W	7.2W							
		7B	9W	7.7W							
10	13W	11W									