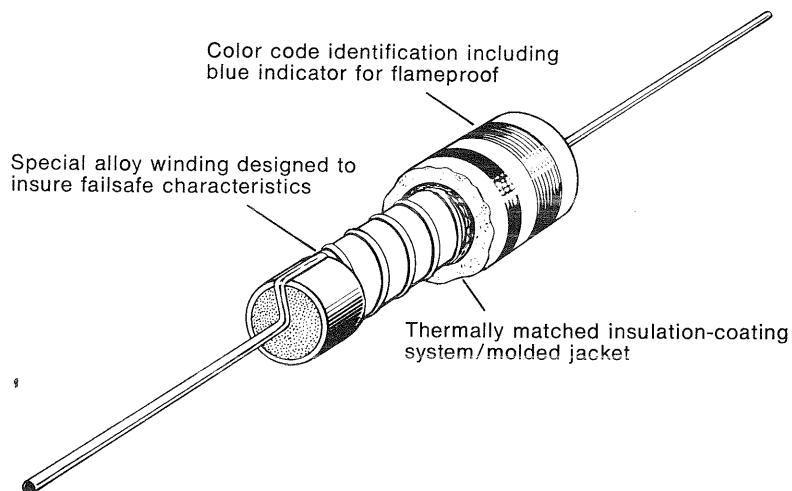


**UL-RECOGNIZED  
FAILSAFE  
MOLDED  
WIREWOUNDS**

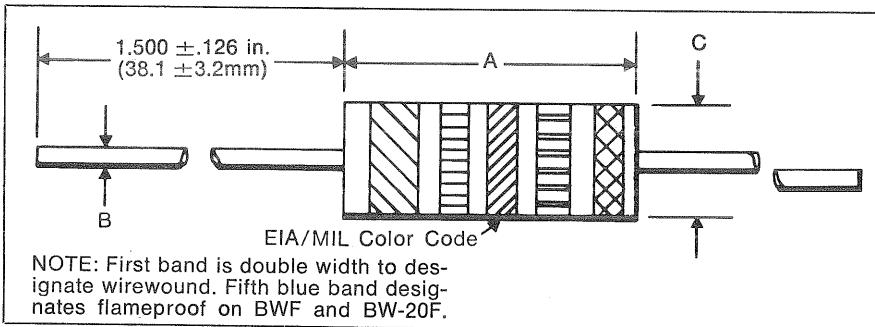
# BWF SERIES

- 1 watt, 2 watts
- $\pm 10\%$ ,  $\pm 5\%$  tolerance
- 0.1 ohm to 1000 ohms
- TCs as low as  
 $\pm 150 \text{ ppm}/^\circ\text{C}$



## SPECIFICATIONS

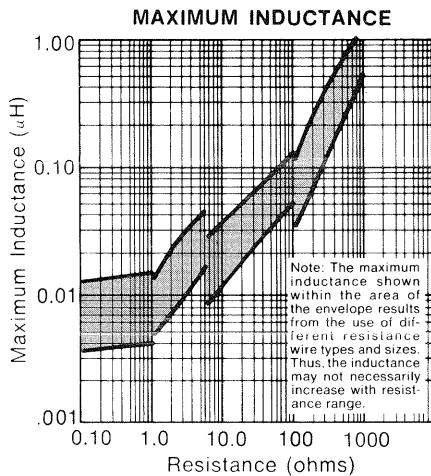
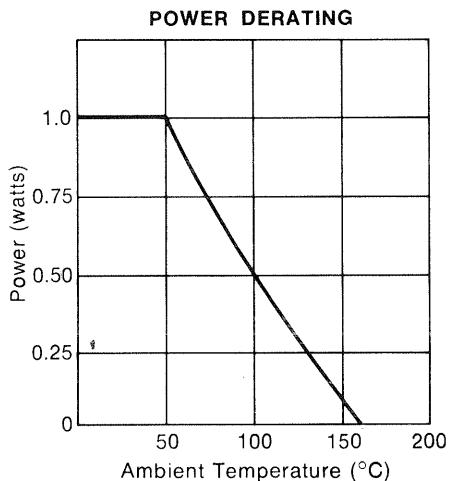
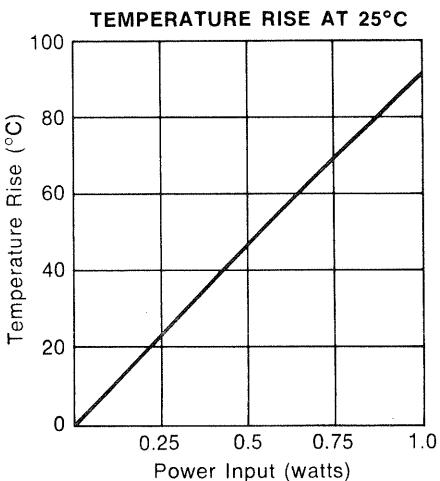
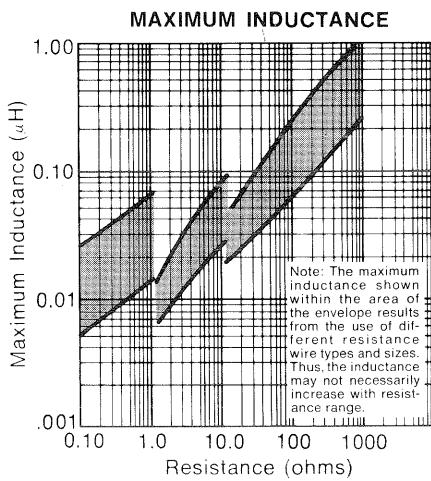
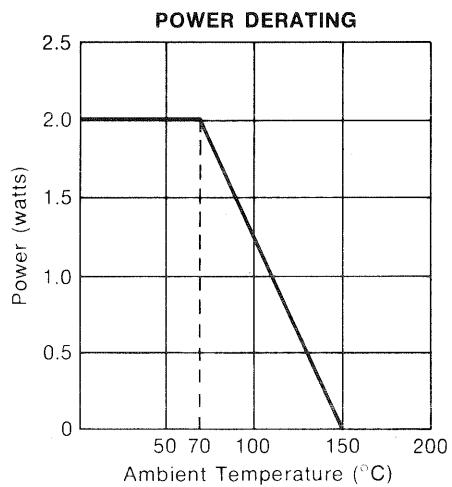
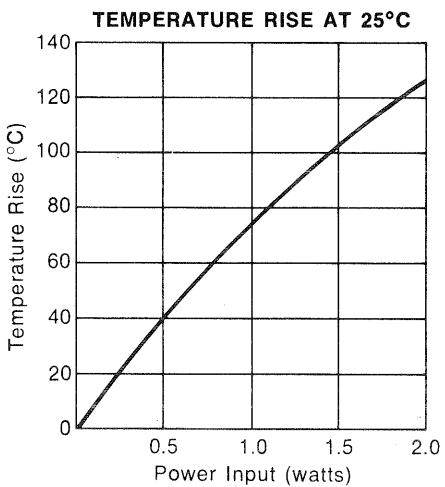
TRW/IRC Type	BW-20F	BWF
EIA RS-334 Style	CRU-1	CRU2
MIL-R-11 and 39008 Style Size Equiv.	RC20 - RCR20	RC32 - RCR32
Underwriters Laboratories Reference	492.2	492.2
Resistance Standard	0.10 $\Omega$ thru 1000 $\Omega$	0.10 $\Omega$ thru 1000 $\Omega$
Tolerance Standard	$\pm 5\%$ , $\pm 10\%$	$\pm 5\%$ , $\pm 10\%$
Power Rating	1-watt @ 50°C 1/4-watt @ 125°C, derating to 0 @ 160°C	2-watt @ 70°C 1/2-watt @ 137°C, derating to 0 @ 150°C
Max. Continuous Working Voltage	$\sqrt{\text{PR}}$	$\sqrt{\text{PR}}$
Min. Insulation Resistance — Dry Wet	10,000 Megohms 100 Megohms	10,000 Megohms 100 Megohms
Min. Dielectric Withstanding Voltage Atmospheric Pressure Reduced Pressure	700 Volts R.M.S. 450 Volts R.M.S.	1000 Volts R.M.S. 625 Volts R.M.S.
Current Noise	Negligible	Negligible
Load Life Stability — Max. $\Delta R$	1-watt @ 50°C — $\pm 5\%$	2-watt @ 70°C — $\pm 10\%$
Temperature Coefficient — Max. $\Delta R$	For 0.10 $\Omega$ , +1000 ppm or +0.10%/ $^\circ\text{C}$ For 0.11 $\Omega$ to 0.18 $\Omega$ , +600 ppm or +0.06%/ $^\circ\text{C}$ For 0.20 $\Omega$ to 0.68 $\Omega$ , +300 ppm or +0.03%/ $^\circ\text{C}$ For 0.75 $\Omega$ to 1000 $\Omega$ , $\pm 150$ ppm or $\pm 0.015\%/\text{ }^\circ\text{C}$	For 0.10 $\Omega$ , +1800 ppm or +0.18%/ $^\circ\text{C}$ For 0.11 $\Omega$ to 0.16 $\Omega$ , +1000 ppm or +0.10%/ $^\circ\text{C}$ For 0.18 $\Omega$ to 0.68 $\Omega$ , +800 ppm or +0.08%/ $^\circ\text{C}$ For 0.75 $\Omega$ to 1000 $\Omega$ , $\pm 400$ ppm or $\pm 0.04\%/\text{ }^\circ\text{C}$



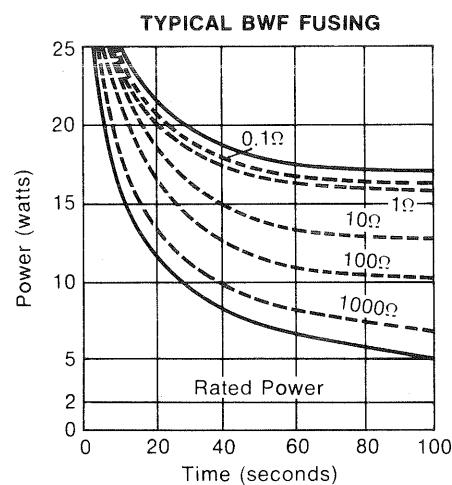
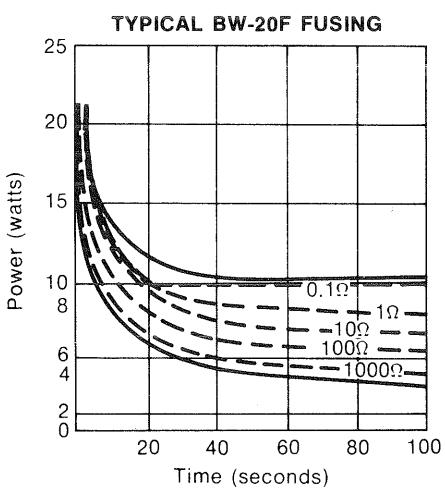
File E57055

## DIMENSIONS — IN. AND (mm)

TRW/IRC Type	A $\pm .010 (.25)$	B $\pm .001 (.03)$	C $\pm .008 (.20)$
BW-20F	.390 (9.91)	.032 (.813)	.140 (3.56)
BWF	.562 (14.3)	.040 (1.02)	.225 (5.72)

**BW-20F CHARACTERISTICS****BWF CHARACTERISTICS****SPECIAL APPLICATIONS**

A wide selection of special fusing times, temperature coefficients and very low resistances can be custom designed to your specific applications. Contact the factory for information.

**HOW TO ORDER**

Sample Part No.:

**BW-20F - 1k - 5%**

TRW/IRC Type

BW-20F = 1W

BWF = 2W

Resistance Value

Expressed in ohms

Tolerance

±5%