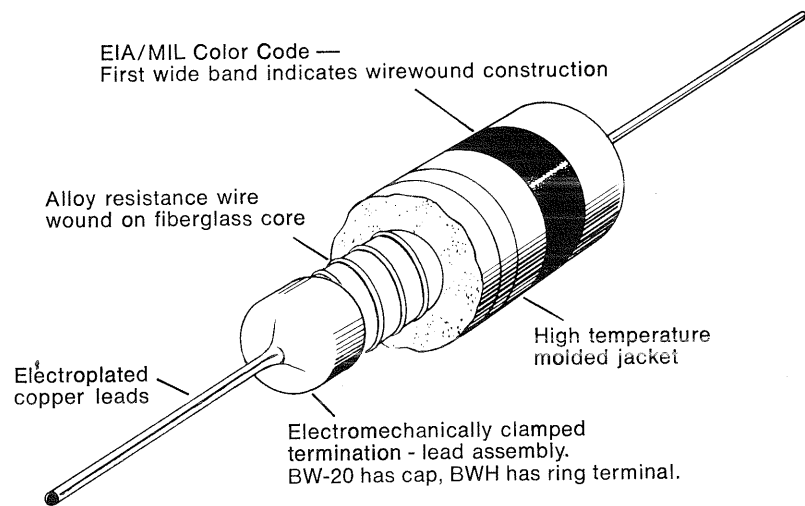


**GENERAL-PURPOSE
LOW-POWER
MOLDED
WIREWOUNDS**

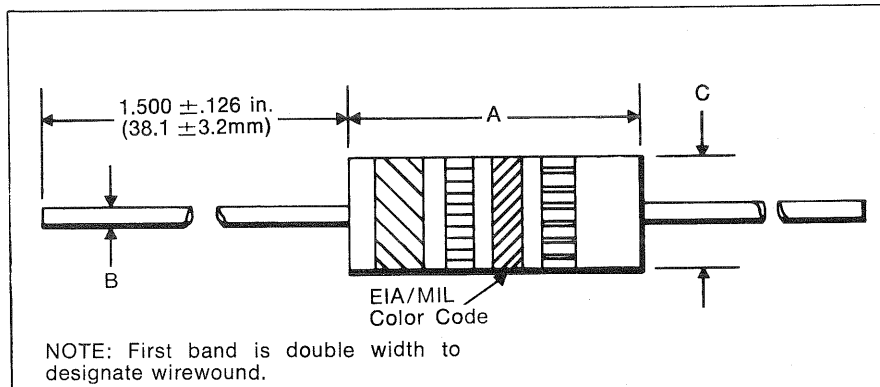
BW SERIES

- 1 watt, 2 watts
- ±10%, ±5% tolerance
- 0.1 ohm to 2400 ohms
- TCs as low as ±150 ppm/°C



SPECIFICATIONS

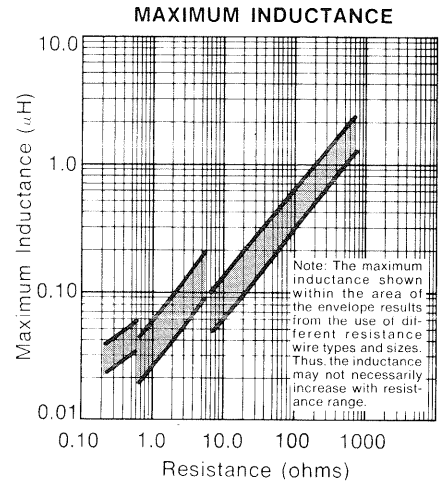
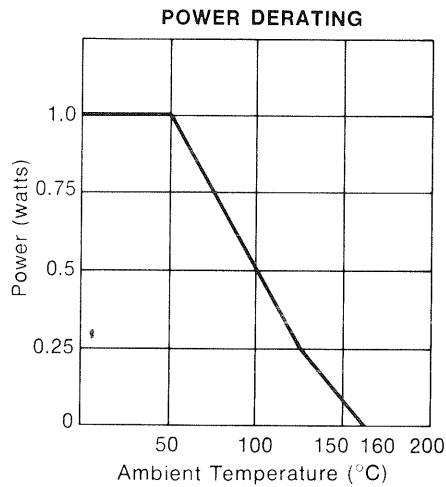
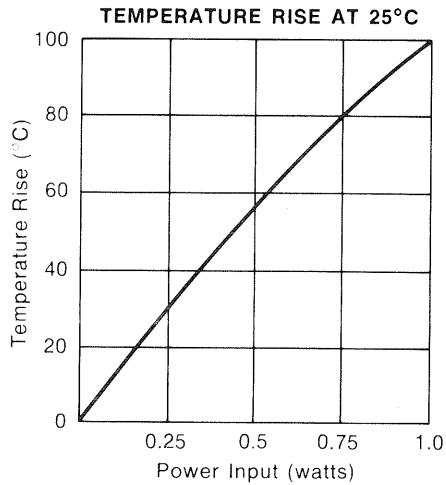
TRW/IRC Type	BW-20	BWH
EIA RS-344 Style	CRU1	CRU2
MIL-R-11 Style Size Equivalent	RC20	RC32
Resistance, Standard	0.10 Ohms thru 1200 Ohms	0.10 Ohms thru 2400 Ohms
Tolerance, Standard Special	±5%, ±10% ±2%	±5%, ±10%
Power Rating	1-watt 50°C ½-watt 100°C ¼-watt 125°C, derating to 0 @ 160°C	2-watts @ 70°C 1-watt @ 115°C ½-watt @ 137°C, derating to 0 @ 160°C
Max. Continuous Working Voltage	√ PR	√ PR
Min. Insulation Resistance — Dry	10,000 Megohms	10,000 Megohms
Min. Insulation Resistance — Wet	100 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.
Hot Spot Temperature Rise at 1-Watt	100°C	115°C
Current Noise	Negligible	Negligible
Marking	Standard EIA/MIL Color Code (double width first band)	Standard EIA/MIL Color Code (double width first band)



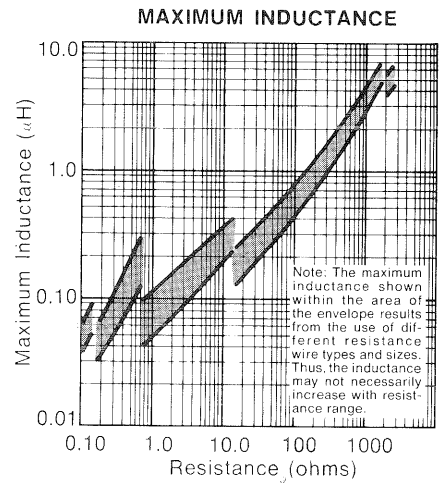
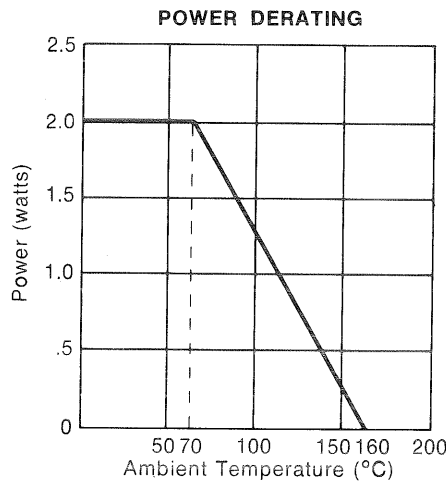
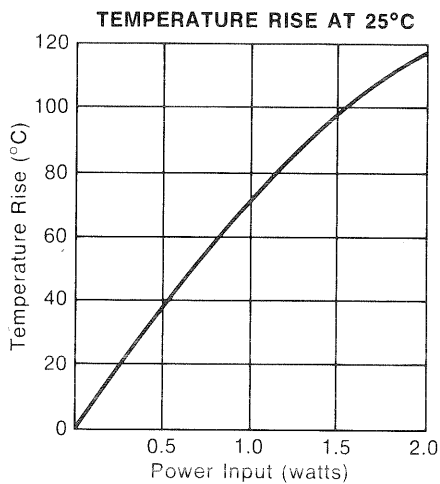
DIMENSIONS — IN. AND (mm)

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

BW-20 CHARACTERISTICS



BWH CHARACTERISTICS



TEMPERATURE COEFFICIENT

TRW/IRC Type	Power Rating	Resistance Range	Temperature Coefficient Maximum**
BW-20	1 watt	0.10Ω-0.15Ω 0.16Ω-0.62Ω 0.68Ω-1200Ω	+600 ppm or +0.06% /°C +300 ppm or +0.03% /°C ±150 ppm or ±0.015% /°C
BWH	2 watts	0.10Ω-0.16Ω 0.18Ω-0.68Ω 0.75Ω-2400Ω	+1000 ppm or +0.10% /°C +800 ppm or +0.08% /°C ±400 ppm or ±0.04% /°C

** "Typical ΔR Less Than" is defined as the maximum ΔR to be expected in 95% of the population of a distribution. Note: Special TC's available.

HOW TO ORDER

Sample Part No.:

BWH - 1k - 5%

TRW/IRC Type
BW-20 = 1w
BWH = 2w

Resistance Range
Expressed in ohms.
(Standard EIA/MIL Values)

Tolerance
±10%, ±5% Standard.
±2% available on BW-20.

STANDARD RESISTANCE VALUE MULTIPLIERS

±5% tol.	±10% tol.	±5% tol.	±10% tol.	±5% tol.	±10% tol.	±5% tol.	±10% tol.
1.0	1.0	1.8	1.8	3.3	3.3	5.6	5.6
1.1	2.0			3.6		6.2	
1.2	1.2	2.2	2.2	3.9	3.9	6.8	6.8
1.3		2.4		4.3		7.5	
1.5	1.5	2.7	2.7	4.7	4.7	8.2	8.2
1.6		3.0		5.1		9.1	