

**HIGH PRECISION WIREWOUND RESISTORS**

**FEATURES:**

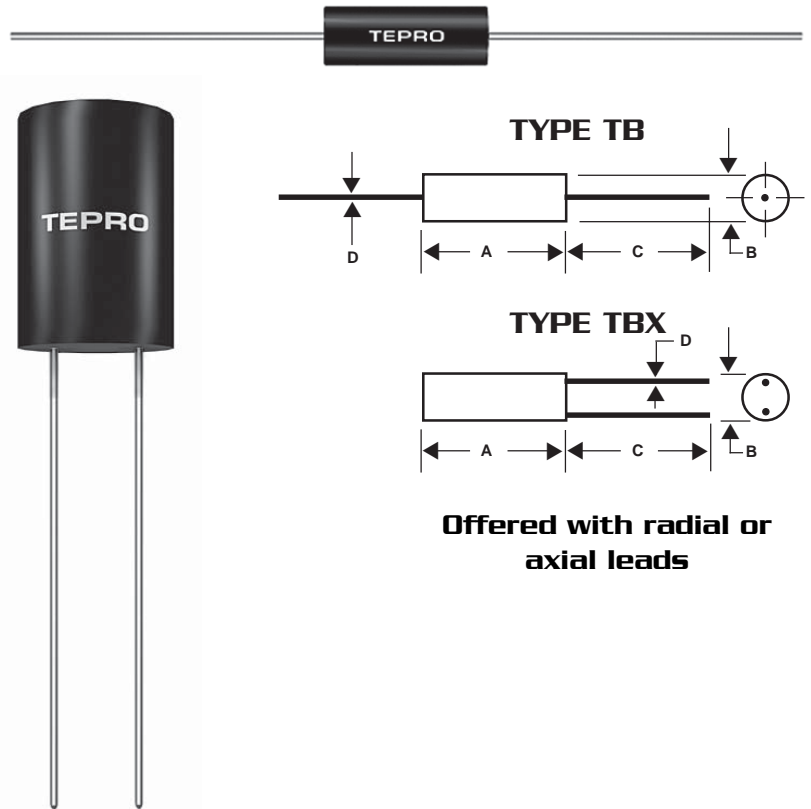
- Standard accuracies to  $\pm .005\%$
- Standard TCR  $\pm 20\text{ppm}$ , available to  $\pm 1\text{ppm}$
- All welded construction
- Epoxy encapsulated, superior moisture protection
- Exceptional resistance stability

**GENERAL SPECIFICATIONS:**

- Temperature range:
  - Operating from  $-55^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$
- TC tracking: Available to  $1\text{ppm}/^{\circ}\text{C}$
- Ratio matching:
  - Resistors are available with tolerance and temperature coefficient matching and tracking over a wide temperature range.
- Lead material: Standard lead material is tinned 180 alloy

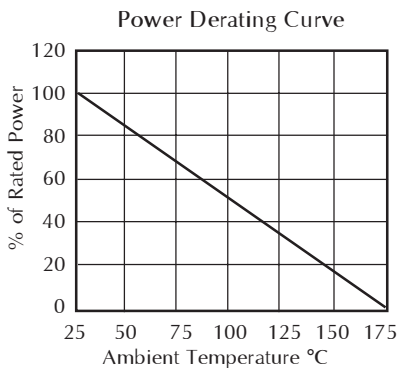
**VARIATIONS:**

- Matched tolerances and TC tracking
- Positive temperature coefficients
- Preconditioning, temp cycling, burn-in
- Improved rise time
- Four-terminal and radial lead construction
- Tolerance to  $.005\%$



**Offered with radial or axial leads**

**DERATING:**



**HOW TO ORDER:**

Sample Part No: TB55 - 100Ω - 0.02% - 5PPM - X

Tepro Type \_\_\_\_\_

Resistance Value \_\_\_\_\_

Tolerance Range \_\_\_\_\_

$\pm 1\%$ ,  $\pm 5\%$ ,  $\pm 25\%$ ,  $\pm .1\%$ ,  $\pm .05\%$ ,  $\pm .02\%$ ,  $\pm .01\%$ ,  $\pm .005\%$

Temperature Coefficient \_\_\_\_\_

(2, 3, 5, 10, 20ppm/°C)

Custom Modification Letter \_\_\_\_\_

**STANDARD CONFIGURATIONS AND ELECTRICAL SPECIFICATIONS:**

TEPRO TYPE	DIMENSIONS (Inches)					MAXIMUM VOLTAGE (Volts)	MAXIMUM RESISTANCE (Ohms)	POWER (Watts) TEPRO
	A $\pm .031$	B $\pm .015$	C MIN.	D $\pm .002$	E $\pm .010$			
TB34	.300	.100	1.5	.020		50	20K	.100
TB35	.250	.125	1.5	.020		100	100K	.125
TB40	.500	.187	1.5	.025		300	1MEG	.350
TB55	.375	.250	1.5	.032		300	1MEG	.350
TB60	.500	.250	1.5	.032		400	2MEG	.500
TB65	.750	.250	1.5	.032		500	3.5MEG	.750
TB70	.750	.375	1.5	.032		600	4MEG	.900
TB75	1.000	.375	1.5	.032		750	5MEG	1.500
TB80	1.000	.500	1.5	.032		850	10MEG	1.500
TB58	1.500	.500	1.5	.032		950	15MEG	2.000
TBX78	.500	.370	1.0	.032	.200	200	500K	.500
TBX55	.312	.250	1.0	.025	.200	100	150K	.250
TBX58	.500	.250	1.0	.025	.200	300	350K	.300
TBX65	.325	.160	1.0	.020	.300	100	120K	.200
TBX68	.500	.160	1.0	.020	.400	100	250K	.200