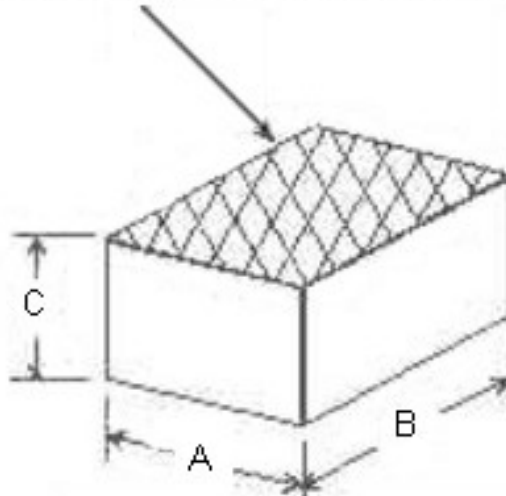# NTC Chip Thermistor

Applications: Temperature Sensing

- Temperature Compensation

Features

- Top and Bottom Terminations
- Solid State Ceramic Composition

Silver or Palladium Silver Electrode(Two Sides)

Part Number	Ω @ 25 °C +/- 10%	Curve	TCR @ 25 °C (%/°C)	Dimensions in inches (millimeters)		
				A +/- 0.012" (0.30mm)	B +/-0.012" (0.30mm)	C +/- 0.012" (0.30mm)
WR210	50	D	-3.3	0.075 (1.91)	0.075 (1.91)	0.030 (0.76)
WR220	70	D	-3.3	0.070 (1.78)	0.070 (1.78)	0.030 (0.76)
WR225	80	D	-3.3	0.067 (1.70)	0.067 (1.70)	0.030 (0.76)
WR235	100	D	-3.3	0.065 (1.65)	0.065 (1.65)	0.035 (0.89)
WR245	150	D	-3.3	0.052 (1.32)	0.052 (1.32)	0.035 (0.89)

WR255	200	D	-3.3	0.045 (1.14)	0.045 (1.14)	0.035 (0.89)
WR265	300	D	-3.3	0.037 (0.94)	0.037 (0.94)	0.035 (0.89)
WR270	300	A	-3.9	0.110 (2.79)	0.110 (2.79)	0.030 (0.76)
WR280	500	A	-3.9	0.085 (2.16)	0.085 (2.16)	0.030 (0.76)
WR290	700	A	-3.9	0.070 (1.78)	0.070 (1.78)	0.030 (0.76)
WR295	800	A	-3.9	0.067 (1.70)	0.067 (1.70)	0.030 (0.76)
WR305	1000	A	-3.9	0.060 (1.52)	0.060 (1.52)	0.030 (0.76)
WR315	1500	A	-3.9	0.050 (1.27)	0.050 (1.27)	0.030 (0.76)
WR325	2000	A	-3.9	0.045 (1.14)	0.045 (1.14)	0.035 (0.89)
WR330	2500	A	-3.9	0.040 (1.02)	0.040 (1.02)	0.035 (0.89)
WR340	2500	B	-4.4	0.100 (2.54)	0.100 (2.54)	0.030 (0.76)
WR345	3000	B	-4.4	0.090 (2.29)	0.090 (2.29)	0.030 (0.76)
WR350	5000	B	-4.4	0.070 (1.78)	0.070 (1.78)	0.030 (0.76)
WR360	10000	B	-4.4	0.050 (1.27)	0.050 (1.27)	0.030 (0.76)
WR370	20000	B	-4.4	0.038 (0.97)	0.038 (0.97)	0.035 (0.89)

Options

- Tape and Reeling
- Special Resistance Values
- Optional Electrode Materials (Pd-Ag, etc.)
- Resistance Tolerance: +/- 5% available (add -5 to part number) example: **WM105K502-5**

Terminology

TCR **(Temperature Coefficient of Resistance)** - Defined as a slope parameter using the following equation: *TCR = 1/Rt [(dRt)/(dT)*