NTC (%/°C) is negative temperature coefficient of resistance at temperature (T) expressed in % resistance change per °C. Since one NTC resistance change is approximately equivalent to + 1 °C temperature change, NTC is useful in developing curve tracking thermistor specifications (e.g., Curve 1, 10 000 Ω ± 4.4 % at + 25 °C; 32 660 Ω ± 5.1 % at 0 °C; 1753 Ω ± 3.4 % at + 70 °C results in a ± 1 °C: curve tracking thermistor 0° to 70 °C, 0.5 NTC = ± 0.5 °C, etc.).

MT ± % is manufacturing tolerance at temperature. Add to resistance tolerance specified at + 25 °C, (e.g., Curve 1, 10 kΩ ± 10 % at + 25 °C, 1257 Ω ± 12.1 % at + 80 °C). Not applicable to curve tracking thermistors.

RT-R25 Ratio is resistance at temperature T divided by resistance at + 25 °C. To determine the resistance of a NTC thermistor at temperatures other than + 25 °C, multiply the ratio selected from the appropriate curve column above by resistance at + 25 °C (e.g., Curve 1, 10 kΩ at + 25 °C, 1257 Ω at + 80 °C).

NOTE: For + 1 °C Ratio Tables, see pages 11 to 16.

MAXIMUM TEMPERATURE for thermistors listed is + 150 °C; however, continuous operation or cycling above + 125 °C (curve tracking above the specified temperature range) may cause thermistors to exceed the originally specified tolerances.