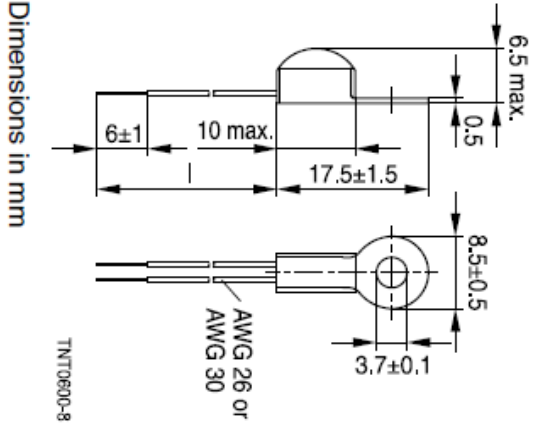

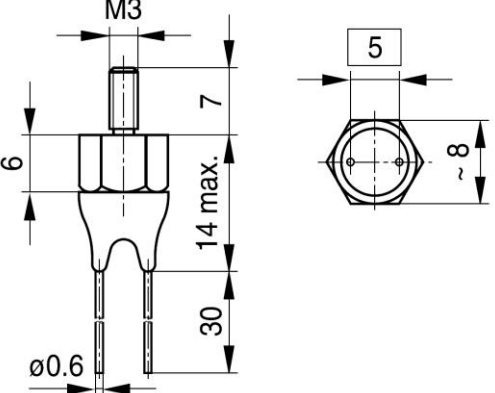
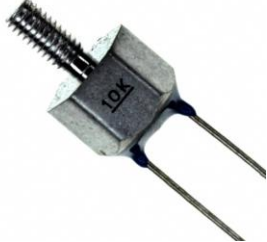


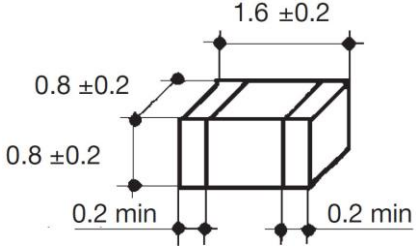

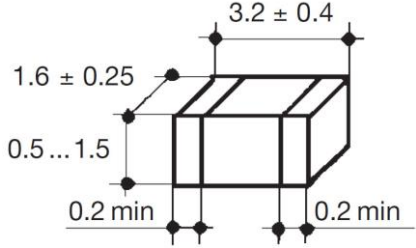

NTC ($R_{25} = 10k$) Sensors Suggestions

Distributors: [Distrelec](#), [Farnell](#), [Digi-Key](#)

Drawing Dimensions (mm)	Mounting	Type Characteristics	Manufacturer P/N	Distributor P/N
<p>Dimensions in mm</p> 	<p>with eye for M3 screw</p> 	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3988 K$ $\pm 2\%$ $P_{max} 150 mW$ Range $-55..+125 ^\circ C$</p> <p>Only recommended for slow thermal systems.</p>	<p>EPCOS B57703M0103G040</p>	<p>Distrelec 73 07 39 Farnell 228-5468 Digi-Key 495-2169-ND</p>
	<p>with M3 thread</p> 	<p>NTC $R_{25} = 10k$ $B_{25/100} = 4300 K$ $\pm 10\%$ $P_{max} 450 mW$ Range $-55..+125 ^\circ C$</p> <p>Very imprecise. Only recommended for heat sink measurement.</p>	<p>EPCOS B57045K0103K000</p>	<p>Digi-Key 495-2138-ND Mouser 871-B57045K103K</p>

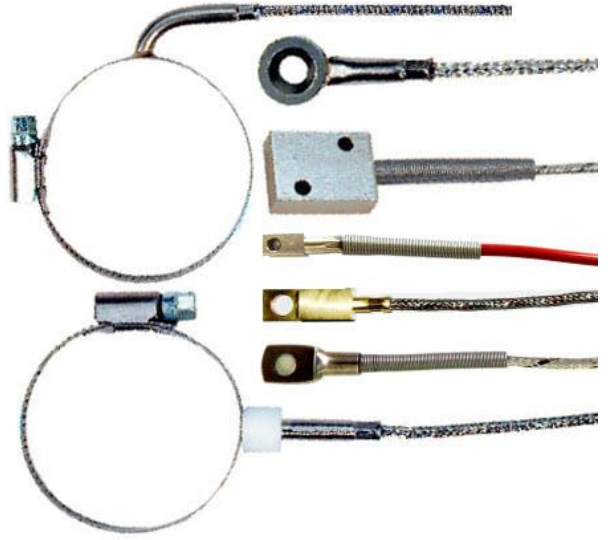

<p>3.3mm MAX. Wire: approx. 150 mm POLYIMIDE TUBE FILLED WITH EPOXY RESIN Ø 0.5mm Max.</p>	<p>cylinder 0.5 mm diameter</p>	<p>NTC R₂₅ = 10k B_{25/100} = 3991 K ±0.2% Range -40..+125 °C</p>	<p>Measurement Specialties 10K3MCD1</p>	<p>Digi-Key 223-1544-ND Mouser 824-GA10K3MCD1</p>
<p>Copper case Twin wire AWG 26 PVC insulation 6±0.1 30±1 6±1.5 500±20</p>	<p>cylinder 6 mm diameter</p>	<p>NTC R₂₅ = 10k B_{25/100} = 3988 K ±3% P_{max} 60 mW Range -55..+155 °C</p>	<p>EPCOS B57500K0103A001</p>	<p>Distrelec 73 08 78 Digi-Key 495-2171-ND</p>
<p>Ø0.15 Ø0.8±0.1 1.4±0.4 65±3</p>	<p>pearl 0.8 mm diameter</p>	<p>NTC R₂₅ = 10k B_{25/100} = 3625 K ±1% P_{max} 18 mW Range -55..+250 °C</p> <p>Highly recommended for fast acting systems.</p>	<p>EPCOS B57540G1103F005</p>	<p>Distrelec 73 10 51</p>


	<p>pearl 1.4 mm diameter</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3625 \text{ K}$ $\pm 1\%$ $P_{\text{max}} 18 \text{ mW}$ Range $-55..+250 \text{ }^{\circ}\text{C}$</p> <p>Highly recommended for fast acting systems.</p>	<p>EPCOS B57541G1103F005</p>	<p>Distrelec 73 10 63</p>
	<p>radial, wired</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3960 \text{ K}$ $\pm 3\%$ $P_{\text{max}} 160 \text{ mW}$ Range $-55..+150 \text{ }^{\circ}\text{C}$</p>	<p>AVX NJ28MA0103H--</p>	<p>Farnell 167-2397 Digi-Key NJ28MA0103H--ND</p>
	<p>leaded disk</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3988 \text{ K}$ $\pm 1\%$ $P_{\text{max}} 60 \text{ mW}$ Range $-55..+155 \text{ }^{\circ}\text{C}$</p>	<p>EPCOS B57871S0103F001</p>	<p>Farnell 179-4324 Digi-Key 495-2153-ND</p>

	<p>0603 (SMD)</p> 	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3480 K$ $\pm 5\%$ $P_{max} 70 mW$ Range $-55..+150\text{ }^{\circ}C$</p>	<p>AVX NB 21 J 5 0103 J BB</p>	<p>Farnell 167-2340 Digi-Key NB21K00103JBB-ND</p>
	<p>1206 (SMD)</p> 	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3630 K$ $\pm 5\%$ $P_{max} 240 mW$ Range $-55..+150\text{ }^{\circ}C$</p>	<p>AVX NB20K00103JBA</p>	<p>Farnell 167-2310 Digi-Key NB20K00103JBA-ND</p>

Customer specific sensors

Depending on the application, the environment (e.g. gas or fluids) and the form of the object sometimes customer specific sensors can be needed. Following some examples of possible sensor models. Please contact K. Mösch AG (Switzerland, <http://www.moeschag.ch>) or IST AG (Switzerland, <http://www.ist-ag.ch>) for customer specific sensors.

<p>Surface sensors</p>		
<p>Cable mounted probes</p>		
<p>Glass encapsulated sensors</p>		<p>- Smallest dimensions Ø1,2 x 7 mm</p>

Thin foil sensor		<ul style="list-style-type: none"> - Smallest thickness 0.13 mm - No need to drill into object. Surface mountable
Silicone encapsulated sensors		<ul style="list-style-type: none"> - Smallest thickness 1 mm
Different forms, mounting types		<ul style="list-style-type: none"> - Several possibilities to mount sensor or to reach point of measurement at object