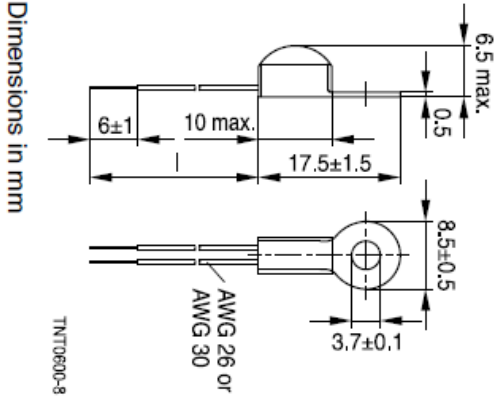



NTC ($R_{25} = 10k$) Sensors Suggestions

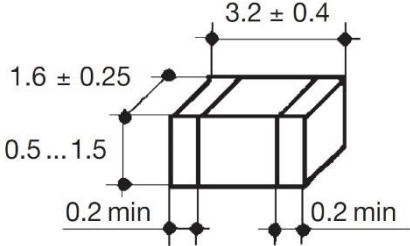

Distributors: Distrelec, Farnell, Digi-Key, Mouser

Drawing Dimensions (mm)	Mounting	Type Characteristics	Manufacturer P/N	Distributor P/N
<p>Dimensions in mm</p>  <p>TTT0600-8 AWG 26 or AWG 30</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 $-55...+125\text{ }^{\circ}C$</p> <p>Only recommended for slow thermal systems.</p>	<p>EPCOS B57703M0103G040</p>	<p>Distrelec 160-29-019 Farnell 2285468 Digi-Key 495-2169-ND Mouser 871-B57703M103G40</p>

	<p>with M3 thread</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 4300 K$ $\pm 10\%$ $P_{max} 450 mW$ Range $-55...+125\text{ }^{\circ}C$</p> <p>Very imprecise. Only recommended for heat sink measurement.</p>	<p>EPCOS B57045K0103K000</p>	<p>Distrelec 160-29-001 Farnell 2672681 Digi-Key 495-2138-ND Mouser 871-B57045K103K</p>
	<p>cylinder 0.5 mm diameter</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3991 K$ $\pm 0.2^{\circ}C$ Range $-40...+125\text{ }^{\circ}C$</p>	<p>TE Connectivity Measurement Specialties GA10K3MCD1</p>	<p>Digi-Key 223-1544-ND Mouser 824-GA10K3MCD1</p>
	<p>cylinder 6 mm diameter</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3988 K$ $\pm 3\%$ $P_{max} 60 mW$ Range $-55...+155\text{ }^{\circ}C$</p>	<p>EPCOS B57500K0103A001</p>	<p>Distrelec 160-29-043 Farnell 2672682 Digi-Key 495-2171-ND Mouser 871-B57500K103A1</p>

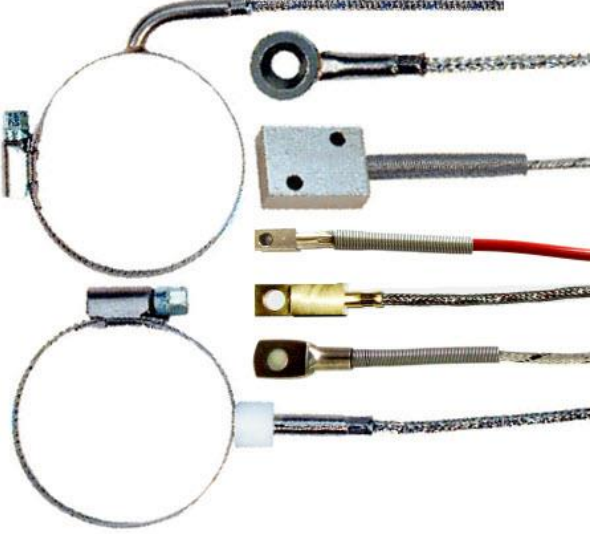

	<p>bead 0.8 mm diameter</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3625 K$ $\pm 1\%$ $P_{max} 18 mW$ Range -55...+250 °C</p> <p>Highly recommended for fast acting systems.</p>	<p>EPCOS B57540G1103F005</p>	<p>Distrelec 160-29-062 Farnell 2672690 Digi-Key 495-75198-ND Mouser 871-B57540G1103F005</p>
	<p>bead 1.4 mm diameter</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3625 K$ $\pm 1\%$ $P_{max} 18 mW$ Range -55...+250 °C</p> <p>Highly recommended for fast acting systems.</p>	<p>EPCOS B57541G1103F005</p>	<p>Distrelec 160-29-074 Farnell 2773999 Digi-Key 495-75856-ND Mouser 871-B57541G1103F5</p>
	<p>radial, wired</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3960 K$ $\pm 3\%$ $P_{max} 160 mW$ Range -55...+150 °C</p>	<p>AVX NJ28MA0103H--</p>	<p>Farnell 1672397 Digi-Key 478-10984-ND Mouser 581-NJ28MA0103H--</p>


	<p>leaded disk</p>	<p>NTC $R_{25} = 10k$ $B_{25/100} = 3988 K$ $\pm 1\%$ $P_{max} 60 mW$ Range $-55...+155\text{ }^{\circ}C$</p>	<p>EPCOS B57871S0103F001</p>	<p>Distrelec 160-29-031 Farnell 2525371 Digi-Key 495-2153-ND Mouser 871-B57871S103F1</p>
<p>$T=B=1.6; L=41; L_1=5$ (mm)</p>		<p>NTC $R_{25} = 10k$ $B_{25/100} = 3984 K$ $\pm 2.2\%$ $P_{max} 50 mW$ Range $-40...+125\text{ }^{\circ}C$</p>	<p>Vishay NTCLE305E4103SB</p>	<p>Farnell 1842804 Digi-Key BC2715-ND Mouser 594-NTCLE305E4103SB</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 NB21J50103JBB</p>	<p>Farnell 1672340 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 1672310 Digi-Key NB20K00103JBA-ND Mouser 581-NB20K00103JBA</p>
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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>		<ul style="list-style-type: none"> - Smallest dimensions Ø1,2 x 7 mm
<p>Thin foil sensor</p>		<ul style="list-style-type: none"> - Smallest thickness 0.13 mm

		<ul style="list-style-type: none"> - 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