

Thermistor Thermal-Tab™

Overview

Model TS665 and TS667 offer extremely sensitive NTC thermistors for applications with small temperature changes. Model TS667 also features waterproof construction, making it suitable for continuous immersion.

Specifications

Dimensions W x L x T _{max}	Element options	Insulation	Temp. range	Leadwires	Time constant	Feature	Model
0.20 x 0.47 x 0.079" (5.0 x 12.0 x 2.0 mm)	TF, TK	Polyimide with elastomer cover coat	-50 to 125°C (-58 to 257°F)	AWG 26, PTFE insulated	0.8 sec.	Small, low-cost	TS665
0.20 x 0.60 x 0.118" (5.0 x 15.2 x 3.0 mm)		Silicone rubber with elastomer cover and foil backing		AWG 24, Silicone insulated	1.3 sec.	Waterproof, suitable for continuous immersion	TS667

Notes: T_{max} is measured over the lead bulge. TS665 is suitable for the CT325 temperature controller (page 5-20). *Time constant is in water at 1 m/sec.

Sensing elements

Sensing element specifications**	Code
NTC thermistor 50k Ω ±1% at 25°C	TF
NTC thermistor 10k Ω ±1% at 25°C	TK

** See table above for element options on each model.

Specify and order products

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Specification and order options

TS665	Model number from table
TF	Sensing element from table
Y	Number of leads: Y = 2 leads
40	Lead length in inches: 40" stocked, 60" max.
A	Adhesive backing: A = No adhesive B = Pressure-sensitive adhesive (PSA)
C	Compliance: C = RoHS compliant
TS665TFY40AC = Sample part number	

Note: PSA reduces temp. range to -20 to 177°C (-4 to 350°F) and adds 0.005" (0.1 mm) to thickness.



STOCKED PARTS

Model #	Sensor Insulation	Temperature Range	Time Constant	Sensing Element	# of Leadwires	Leadwire Insulation	Lead Length	Pressure Sensitive Adhesive Backing	RoHS Compliant	Stock Part #
TS665	Polyimide w/ Elastomer Cover Coat	-50 to 125°C -58 to 257°F	0.8 Sec	TF	2	PTFE	40"	No	Yes	TS665TFY40AC
				TK	2	PTFE	40"	No	Yes	TS665TKY40AC
				TF	2	PTFE	40"	Yes	Yes	TS665TFY40BC
				TK	2	PTFE	40"	Yes	Yes	TS665TKY40BC

Note: Available up to 10 pieces or contact Minco Customer Service

Thermocouple Thermal-Ribbon™

Overview

TC40 is a patch-style thermocouple that adheres to all types of surfaces for quick and easy mounting.

Specifications

Dimensions W x L x T _{max}	0.75 x 0.75 x 0.065" (19.1 x 19.1 x 1.7 mm)
Junction type	E, J, K, or T
Insulation	Polyimide
Temp. range	-200 to 200°C (-328 to 392°F)
Leadwires	AWG 24, solid PTFE insulated
Time constant	0.6 sec.
Features	Surface mounting
Model	TC40

Notes: T_{max} is measured over the lead bulge.

*Time constant is in water at 1 m/sec.

Specification and order options

TC40	Model number
J	Junction type: E, J, K, or T
T	Covering over leadwires: T = PTFE only S = Stainless steel braid
36	Lead length in inches: 36" and 144" are stocked for type J, K, T
A	Adhesive backing: A = No adhesive B = Pressure-sensitive adhesive (PSA)
TC40JT36A = Sample part number	

Note: PSA reduces temperature range to -20 to 177°C

(-4 to 350°F) and adds 0.005" (0.1 mm) to thickness.