

NTC Ring Terminal Sensor Cable Assemblies



Molex's NTC Ring Terminal Sensor Cable Assemblies are available in a variety of beta values, resistances, lengths and temperature ranges for a diverse group of applications

Features and Advantages

Ring terminal heat-sink
Enables secure surface mounting and heat detection



Potted with thermally conductive epoxy
Allows for continuous operation in temperature range of -40 to +105°C



Compact temperature sensing solution
Supports accurate surface temperature reading in difficult to reach location

Micro-Lock Plus
Ensures a reliable and easy connection



Temperature Sensing Ring Terminal

Reference Data

Reference Data		
Parameter	Value	Unit
Resistance at 25°C	1, 2.25, 3, 4.7, 5, 10, 12, 30, 47, 50, 100	Ω
Resistance Tolerance	1,2,3,5	%
Operating Temperature Range	-40 to +150	°C
Dissipation Const (in air)	1	mW/K
Temp Coeff. Resistance	-4.4	%/C
Thermal Time Const	5	s
Mounting Hole Diameter	M2, M3.5, M4	mm
Max Power	100	mW
Beta Value at B25/85	3985, 3991, 4020, 4091, 4035, 3964, 3802, 3600	K
Molex Connector	5055650201	Part Number

PRELIMINARY

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molex

Markets and Applications

Consumer

- Vending machines
- ATMs
- Computers
- Printing machines

Home Appliance

- Refrigerators
- Electric Ovens
- Freezers
- Coffee makers

Industrial

- HVAC



Target Specifications

REFERENCE INFORMATION

- Packaging:
- UL File No.:
- CSA File No.:

ELECTRICAL

- Max Power: 100 mW
- Dissipation Constant (in air): 1 mW/K
- Temp Coefficient Resistance: -4.4 %/°C
- Thermal Time Constant: 5s

PHYSICAL

- Operating Temperature w/ connector : -40 to +105°C
- Operating Temperature w/ leads : -40 to +150°C

Note: Molex reserves the right to delay or cancel production of the depicted product without additional notice. Please contact your Molex customer service representative for product availability.

www.molex.com/link/ntccableassemblies.html

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