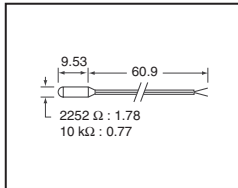


MA100 Series

These biomedical thermistor chips and subassemblies are designed to be interchangeable over a 0°C - 50°C range (see table). Best overall stability is maintained when exposure and storage temperatures remain below 70°C.

Temperature Range	Tolerance Code (±°C)		
	235-1060/235-1064-ND	235-1061/235-1065-ND	235-1062/235-1063-ND
0°C - 20°C	±.15	±.2	±.25
20°C - 35°C	±.1	±.15	±.2
35°C - 39°C	±.05	±.1	±.15
39°C - 42°C	±.075	±.15	±.2
42°C - 45°C	±.1	±.15	±.2
45°C - 50°C	±.15	±.2	±.25



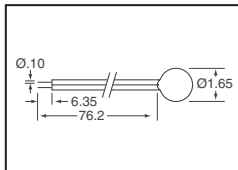
Resistance @ 25°C (Ω)	Digi-Key Part No.	Price Each	GE Sensing Part No.
		1 10 100	
10k	235-1060-ND	7.15 5.63 4.47	MA100GG103A
10k	235-1064-ND	8.41 6.62 5.26	MA100BF103A
10k	235-1061-ND	6.01 4.74 3.76	MA100GG103B
10k	235-1065-ND	6.01 4.74 3.76	MA100BF103B
10k	235-1062-ND	5.42 4.28 3.40	MA100GG103C
2252	235-1063-ND	4.61 3.64 2.89	MA100GG232C

RoHS Compliant

MC65 Series

These thermistors are epoxy-coated for stability and have a maximum diameter of .065" (1.65mm). Standard leads are 3" (76.20mm) of 38 gauge, nickel alloy, bifilar, heavy isomil insulated wire. Each unit tracks a specified curve over the temperature range of 0°C - 50°C (see table).

Temperature Range	Tolerance Code (±°C)		
	235-1057-ND	235-1058-ND	235-1059-ND
0°C - 20°C	±.15	±.2	±.25
20°C - 35°C	±.1	±.15	±.2
35°C - 39°C	±.05	±.1	±.15
39°C - 42°C	±.075	±.15	±.2
42°C - 45°C	±.1	±.15	±.2
45°C - 50°C	±.15	±.2	±.25

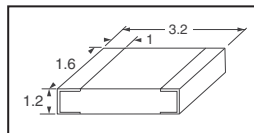


Resistance @ 25°C (kΩ)	Digi-Key Part No.	Price Each	GE Sensing Part No.
		1 10 100	
10	235-1057-ND	6.96 5.48 4.35	MC65F103A
10	235-1058-ND	4.95 3.91 3.10	MC65F103B
10	235-1059-ND	5.23 4.12 3.27	MC65F103C

NHQ Series SMT Chip 1206



These devices are ceramic chip thermistors with a negative temperature coefficient of resistance intended for surface mount applications. The electrode material is palladium silver, nickel-plated with a solder-plated covering. The ceramic between the electrodes is glass covered.



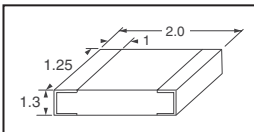
Resistance @ 25°C (kΩ)	Digi-Key Part No.	Cut Tape Price Each	Tape & Reel Pricing 3,000	GE Sensing Part No.
		1 10 100		
3	235-1108-1-ND	1.92 1.68 1.32	718.74/M	NHQ302B410T10
10	235-1109-1-ND	2.08 1.82 1.43	777.55/M	NHQ103B375T10
15	235-1110-1-ND	1.92 1.68 1.32	718.74/M	NHQ153B400T10
50	235-1111-1-ND	1.92 1.68 1.32	718.74/M	NHQ503B400T10
100	235-1112-1-ND	1.92 1.68 1.32	---	NHQ104B425T10
150	235-1113-1-ND	1.92 1.68 1.32	718.74/M	NHQ154B425T10
500	235-1114-1-ND	2.40 2.11 1.66	901.04/M	NHQ504B435T10

RoHS Compliant † For Tape and Reel part number, change 1-ND to 2-ND.

NHQM Series SMT Chip 0805



These devices are ceramic chip thermistors with a negative temperature coefficient of resistance intended for surface mount applications. The electrode material is palladium silver, nickel-plated with solder-plated covering. The ceramic between the electrodes is glass covered.



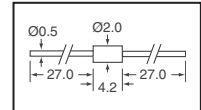
Resistance @ 25°C (kΩ)	Digi-Key Part No.	Cut Tape Price Each	Tape & Reel Pricing 3,000	GE Sensing Part No.
		1 10 100		
3	235-1115-1-ND	1.79 1.57 1.24	671.92/M	NHQM302B410T10
10	235-1116-1-ND	1.79 1.57 1.24	671.92/M	NHQM103B375T10
15	235-1117-1-ND	1.79 1.57 1.24	671.92/M	NHQM153B400T10
50	235-1118-1-ND	1.79 1.57 1.24	671.92/M	NHQM503B415T10
100	235-1119-1-ND	1.79 1.57 1.24	671.92/M	NHQM104B425T10

RoHS Compliant † For Tape and Reel part number, change 1-ND to 2-ND.

DK Series



The DK range of DO-35 packaged NTC thermistors is designed for temperature measurement and control in applications which demand cost effective reliability. The hermetically-sealed construction combines the advantages of high temperature operation and high reliability of glass bead types with the closer tolerances associated with chip devices. The glass encapsulation offers the additional benefit of high voltage insulation.

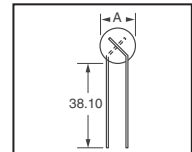


APPLICATIONS:

- Domestic Appliances • Automotive Systems • Data Processing Equipment • Heating/Ventilating/Air Conditioning Control

Resistance @ 25°C (kΩ)	Digi-Key Part No.	Price Each	GE Sensing Part No.
		1 10 100	
5	235-1103-ND	3.22 2.77 1.91	DKA502N5
10	235-1104-ND	3.22 2.77 1.91	DKF103N5
20	235-1105-ND	3.22 2.77 1.91	DKF203N5
30	235-1106-ND	3.22 2.77 1.91	DKF303N5
50	235-1107-ND	3.22 2.77 1.91	DKF503N5

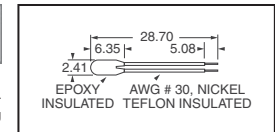
Standard Thermistors for Temperature Measurement Accuracy ±1°C (0°C ~ 120°C)



- Operating Range: -50°C ~ 150°C
- D.C.: Dissipation Constant (mW/°C)
- T.C.: Time Constant (Seconds)

Res. @ 25°C (Ω)	A Max. (mm)	D.C. mW/°C	T.C. Sec.	Digi-Key Part No.	Price Each	GE Sensing Part No.
					1 10 100	
1000	8.13	3.5	30	KC001E-ND	1.94 1.75 1.38	RL3005-574-0-103-SA
2000	5.59	2.5	20	KC002E-ND	1.87 1.68 1.33	RL2005-1148-103-SA
2786	5.59	2.5	20	KC003E-ND	1.87 1.68 1.33	RL2006-1600-103-SA
3000	5.59	2.5	20	KC004E-ND	1.87 1.68 1.33	RL2007-1723-103-SA
5000	2.79	1.0	10	KC005E-ND	2.41 2.17 1.71	RL1003-2871-103-SA
10000	2.79	1.0	10	KC006E-ND	2.41 2.17 1.71	RL1005-5744-103-SA

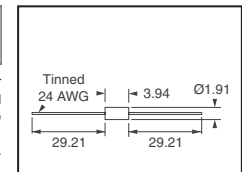
Miniature Sensors 1°C Accuracy



- Temperature Accuracy: ±1°C @ 25°C
- Dissipation Constant: 1.4 mW/°C
- Time Constant: 15 seconds
- Operating Range: -50°C ~ 150°C

Res. @ 25°C (kΩ)	Temperature Coef. %/°C @ 25°C	Material	Digi-Key Part No.	Price Each	GE Sensing Part No.
				1 10 100 250	
2K	-3.83	MS73	KC001T-ND	2.26 2.03 1.60 1.27	RL0503-1248-73-MS
5K	-4.43	MS95	KC002T-ND	2.26 2.03 1.60 1.27	RL0503-2890-95-MS
10K	-4.40	MS97	KC003T-ND	2.26 2.03 1.60 1.27	RL0503-5820-97-MS
30K	-4.32	MS96	KC004T-ND	2.26 2.03 1.60 1.27	RL0503-17.56K-96-MS
50K	-4.84	MS120	KC005T-ND	2.26 2.03 1.60 1.27	RL0503-27.53K-120-MS
100K	-4.78	MS122	KC006T-ND	2.26 2.03 1.60 1.27	RL0503-55.36K-122-MS

Glass Encapsulated NTC Thermistors



Glass encapsulated NTC thermistors are tiny pellets of thermistor material hermetically sealed in glass bodies with a controlled amount of selected atmosphere. The thermic seal makes these parts extremely stable in applications up to 204°C (400°F)

- Temperature Range: -50°C ~ 204°C
- Dissipation Constant: 3.0mW/°C
- Time Constant: 7 seconds

Ro @ 25°C	Temp. Coef. %/°C @ 25°C	Material	Digi-Key Part No.	Price Each	GE Sensing Part No.
				1 10 100 250	
250	-3.34	GE55†	KC001G-ND	1.91 1.72 1.36 1.08	AL03006-165.9-55-G1
500	-3.34	GE55†	KC002G-ND	1.91 1.72 1.36 1.08	AL03006-331.8-55-G1
1K	-3.83	GE73	KC003G-ND	1.91 1.72 1.36 1.08	AL03006-624-73-G1
2K	-3.83	GE73	KC004G-ND	1.91 1.72 1.36 1.08	AL03006-1248-73-G1
2786	-4.68	GE101	KC005G-ND	1.91 1.72 1.36 1.08	AL03006-1576-101-G1
3K	-3.85	GE76	KC006G-ND	1.91 1.72 1.36 1.08	AL03006-1847-76-G1
4K	-3.85	GE76	KC007G-ND	1.91 1.72 1.36 1.08	AL03006-2463-76-G1
5K	-3.85	GE76	KC008G-ND	1.91 1.72 1.36 1.08	AL03006-3079-76-G1
10K	-4.41	GE97A	KC009G-ND	1.91 1.72 1.36 1.08	AL03006-5818-97-G1
20K	-4.34	GE98	KC010G-ND	1.91 1.72 1.36 1.08	AL03006-11.7K-98-G1
30K	-4.34	GE98	KC011G-ND	1.91 1.72 1.36 1.08	AL03006-17.53K-98-G1
50K	-4.32	GE97B	KC012G-ND	1.91 1.72 1.36 1.08	AL03006-29.1K-97-G1
100K	-4.32	GE97B	KC013G-ND	1.91 1.72 1.36 1.08	AL03006-58.2K-97-G1
200K	-4.71	GE123	KC014G-ND	1.91 1.72 1.36 1.08	AL03006-111.3K-123-G1
500K	-4.99	GE138	KC015G-ND	1.91 1.72 1.36 1.08	AL03006-269.8K-138-G1
1M	-5.07	GE145	KC016G-ND	1.91 1.72 1.36 1.08	AL03006-535K-145-G1

† Maximum Operating Temperature: 150°C

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