

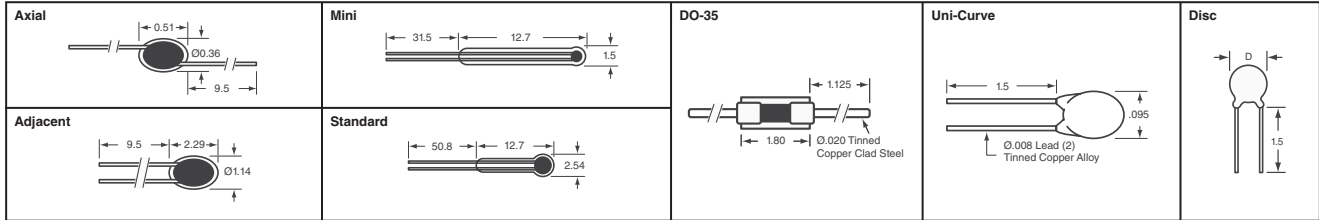
**Bead Thermistors: Features:** • Relatively uniform size • Offer ultra-fast time response • Highly sensitive to electric power  
**Specifications:** • Operating Temperature Range: -60°C – 300°C • Encapsulation: Glass hermetic seal • Lead Material: Platinum Iridium • Dissipation constant (DC): 0.1 mW/°C (in still air) minimum • Time constant: 1s (in still air) maximum

**Glass Probe Thermistors: Features:** • Operating Temperature Range: -60°C – 300°C • Encapsulation: Glass  
**Lead Material:** Dumet (copper clad Ni-Fe wire) • Dissipation constant (DC): Standard: 1.0 mW/°C in still air minimum, Mini: 0.7 mW/°C (in still air) minimum • Time constant: Standard: 22s (in still air) maximum, Mini: 10s (in still air) maximum

**Glass Encapsulated Chip Thermistors: Features:** • High quality line of low cost hermetically sealed, glass-encapsulated units • Evolved from highly successful and field proven Honeywell Standard Chip Series • DO-35 package

**Uni-Curve® Series: Features:** • High quality, low cost resistance temperature matched interchangeable thermistors • Accuracy • High stability • Epoxy coated

**Disc Thermistors: Features:** • Ideally suited for low cost applications with a maximum temperature of 150°C • PC Board mountable • Solderable leads • Tinned copper leads



Resistance @25°C (Ω)	Tolerance (%)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
Small Bead Thermistors						
Axial						
2K	±25.0	480-3113-ND	8.48	6.36	5.30	111-202CAK-H01
2K	±25.0	480-3114-ND	11.46	8.81	7.39	111-202CAK-H02
Large Bead Thermistors						
Adjacent						
1K	±20.0	480-3115-ND	10.44	7.95	6.81	112-102EAJ-B01
10K	±20.0	480-3116-ND	10.88	8.29	7.10	112-103FAJ-B01
100K	±20.0	480-3117-ND	11.51	8.85	7.42	112-104KAJ-B01
2K	±20.0	480-3118-ND	11.31	8.70	7.29	112-202EAJ-B01
Glass Probe Thermistors						
Mini						
1K	±20.0	480-3119-ND	9.90	7.22	6.19	120-102EAJ-Q01
2K	±20.0	480-3120-ND	22.05	17.98	15.44	120-202EAD-Q02
2K	±20.0	480-3121-ND	11.34	8.72	7.31	120-202EAG-Q01
Standard						
1K	±20.0	480-3122-ND	20.21	16.47	14.15	121-102EAJ-Q01
10K	±20.0	480-3123-ND	10.09	7.68	6.59	121-103FAJ-Q01
100K	±20.0	480-3124-ND	12.23	9.41	7.89	121-104KAH-Q01
2K	±20.0	480-3125-ND	10.11	7.70	6.60	121-202EAJ-Q01
Glass Encapsulated Thermistors						
DO-35						
1K	±10.0	480-3126-ND	1.04	.65	.48	135-102DAG-J01
10K	±10.0	480-3127-ND	1.17	.76	.55	135-103FAD-J01
10K	±5.0	480-3128-ND	.99	.61	.45	135-103FAF-J01
10K	±10.0	480-3129-ND	.94	.55	.40	135-103FAG-J01
10K	±10.0	480-3130-ND	1.01	.63	.46	135-103FBX-J01
10K	±5.0	480-3131-ND	1.03	.64	.47	135-103LAF-J01
10K	±10.0	480-3132-ND	1.03	.64	.47	135-103LAG-J01
100K	±1.0	480-3133-ND	1.04	.65	.49	135-104LAC-J01
100K	±5.0	480-3134-ND	.93	.56	.41	135-104LAF-J01
100K	±10.0	480-3135-ND	.93	.56	.41	135-104LAG-J01
100K	±5.0	480-3136-ND	.93	.56	.41	135-104LBF-J01
100K	±10.0	480-3137-ND	1.03	.65	.48	135-104QAD-J01
1M	±10.0	480-3138-ND	1.01	.63	.46	135-105QAG-J01
200K	±10.0	480-3139-ND	1.02	.63	.47	135-204QAG-J01
50K	±10.0	480-3140-ND	1.03	.64	.47	135-503LAG-J01

Resistance @25°C (Ω)	Tolerance (%)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
Uni-Curve® Series						
1K	±1.0	480-3157-ND	3.87	2.67	2.18	192-102DEW-A01
10K	±0.2	480-3158-ND	4.00	2.79	2.29	192-103LET-A01
100K	±0.2	480-3159-ND	3.55	2.45	2.00	192-104QET-A01
2.2K	±0.2	480-3160-ND	3.67	2.54	2.07	192-222LET-A01
3K	±0.2	480-3161-ND	3.53	2.36	1.92	192-302LET-A01
30K	±1.0	480-3162-ND	3.55	2.45	2.00	192-303KET-A01
500	±0.2	480-3163-ND	3.86	2.67	2.17	192-501DET-A01
5K	±0.2	480-3164-ND	3.55	2.45	2.00	192-502LET-A01
50K	±0.2	480-3165-ND	3.54	2.37	1.93	192-503QET-A01

Dim. D (Inch)	Resistance @25°C (Ω)	Tolerance @25°C (%)	Digi-Key Part No.	Price Each			Honeywell Sensing Part No.
Disc Thermistors							
.1	1K	±10.0	480-3141-ND	2.44	1.65	1.28	140-102FAG-RB1
.1	10K	±10.0	480-3142-ND	2.44	1.65	1.28	140-103LAG-RB1
.1	500	±10.0	480-3143-ND	2.44	1.65	1.28	140-501FAG-RB1
.1	5K	±10.0	480-3144-ND	2.44	1.65	1.28	140-502LAG-RB1
.2	100	±10.0	480-3145-ND	2.70	1.78	1.44	143-101FAG-RC1
.2	1K	±10.0	480-3146-ND	2.91	1.98	1.56	143-102LAG-RC1
.2	200	±10.0	480-3147-ND	2.70	1.78	1.44	143-201FAG-RC1
.2	3K	±10.0	480-3148-ND	2.70	1.78	1.44	143-302LAG-RC1
.2	30K	±10.0	480-3149-ND	2.70	1.78	1.44	143-303QAG-RC1

Size Code	Resistance @25°C (Ω)	Tolerance @25°C (%)	Digi-Key Part No.	Cut Tape Price Each			T&R Pricing 3,000	Honeywell Sensing Part No.
SMD Thermistors								
0805	10K	±2.0	480-3150-1-ND	4.75	3.00	2.25	1750.00/M	173-103LAD-301
	47K	±5.0	480-3151-1-ND	4.15	2.66	1.92	1515.00/M	173-473LAF-301
	5K	±5.0	480-3152-1-ND	3.18	1.88	1.38	1048.00/M	173-502GAF-301
1206	10K	±3.0	480-3153-1-ND	5.22	3.25	2.47	1975.00/M	175-103LAE-301
	440K	±5.0	480-3154-1-ND	4.49	2.84	2.13	1655.00/M	175-444QBF-301
	5K	±5.0	480-3155-1-ND	4.82	3.09	2.32	1798.00/M	175-502GAF-301
	50K	±10.0	480-3156-1-ND	5.33	3.32	2.52	2016.00/M	175-503LAG-301

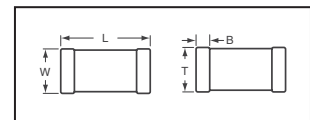
‡ For Tape and Reel Part Number Change 1-ND to 2-ND

**TDK Surface Mount NTC Thermistors**

NTC (Negative Temperature Coefficient) Thermistors are manufactured from sintered metal oxides. TDK thermistors have low thermal time constraints, which result in extremely high rates of resistance change to accurately track the temperature.

- Features:**
- Layered internal electrode structure
  - Good stability of resistance value after soldering

Size Code	Dimensions - mm			
	L	W	T	B
0402	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.1 Min.
0603	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 Min.



Size Code	Nominal Resistance @ B25/85 (Ω)	B Constant		Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing		TDK Part No.
		25/85°C	25/50°C		1	10	100		Qty.	Pricing	
0402	10K	3435K ±1%	3380K ±1%	445-2550-1-ND	.31	.28	.22	445-2550-2-ND	10,000	101.00/M	NTCG103JF103F
	100K	4500K ±1%	4498K ±1%	445-2552-1-ND	.31	.28	.22	—	—	—	NTCG104KF104F
0603	10K	3435K ±1%	3380K ±1%	445-2554-1-ND	.35	.31	.25	445-2554-2-ND	4,000	132.00/M	NTCG163JF103F
	10K	4100K ±3%	4067K ±3%	445-2555-1-ND	.29	.26	.21	445-2555-2-ND	4,000	110.00/M	NTCG164BH103H
	100K	4500K ±1%	4498K ±1%	445-2556-1-ND	.35	.31	.25	445-2556-2-ND	4,000	132.00/M	NTCG164KF104F

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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