

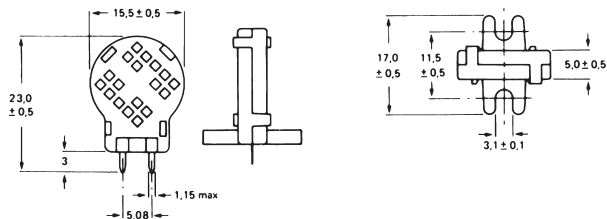
VISHAY/BC COMPONENTS ACCURACY LINE NTC THERMISTORS

FEATURES: Accuracy over a wide temperature range. High stability over a long life. Excellent price/performance ratio. **APPLICATIONS:** Temperature sensing and control. **SPECIFICATIONS:** Max. dissipation: 500mW. Dissipation factor: 7mW/K/responsetime: 1.2 s. Operating temperature range: -40 to +125°C, at 500mW—o to +55°C. Climatic category: 40/125/56.

DIMENSIONS TABLE (MM)

Code Number 2381 640	B _{max}	d	H ₁		H ₂ Max.	L	P	T _{max}
			Min.	Max.				
6.331 to 6.474	5.0	0.6 ±0.06	1.0	4.0	6.0	24 ±1.5	2.45	4.0
6.331 to 6.474	3.3 ±0.5	0.6 ±0.06	—	2.0 ±1.0	6.0	24 ±1.5	2.45	3.0

Cat. No.	Ohms	L.S.	B _{25/85} -<E> Value	Net Price
2381 640 63101	100R	2.5	3560 K ±0.75%	\$1.20
2381 640 63471	470R	2.5	3560 K ±0.50%	1.05
2381 640 63102	1K	2.5	3528 K ±0.50%	1.20
2381 640 63222	2K2	2.5	3977 K ±0.75%	1.20
2381 640 63332	3K3	2.5	3977 K ±0.75%	1.05
2381 640 63472	4K7	2.5	3977 K ±0.75%	1.20
2381 640 63103	10K	2.5	3977 K ±0.75%	.50
2381 640 63223	22K	2.5	3740 K ±2%	1.20
2381 640 63333	33K	2.5	4090 K ±1.5%	1.05
2381 640 63473	47K	2.5	4090 K ±1.5%	1.23
2381 640 63104	100K	2.5	4190 K ±1.5%	1.20
2381 640 63224	220K	2.5	4370 K ±2.5%	1.20
2381 640 63334	330K	2.5	4570 K ±1.5%	1.20
2381 640 63474	470K	2.5	4570 K ±1.5%	1.20



BC COMPONENTS 691-90001 HUMIDITY SENSOR

For humidity measurements in electronic hygrometers, laundry dryers with automatic shut-off and self-regulating air humidifiers. This captive atmospheric humidity sensor consists of a non-conductive foil, which is covered with a layer of gold. The dielectric constant of the foil changes as a function of the relative humidity of the ambient atmosphere and, accordingly, the capacitance value of the sensor is a measure of the relative humidity.

Cat. No.	Net Price
691-90001	\$10.38

GIVING YOU WHAT YOU WANT!



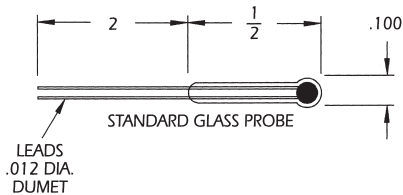
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Honeywell



Fenwal is now part of the Honeywell family of thermal solutions. Fenwal Electronics offers a complete selection of NTC Thermistors in a wide variety of package styles to solve any temperature sensing need. The Fenwal product offering includes surface mount, radial, axial, glass beads, and probe-style thermistors. Custom assemblies are also available.

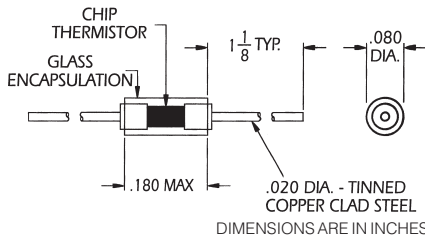


DIMENSIONS ARE IN INCHES

FENWAL GLASS PROBES

Glass probes are shock resistant, rugged, glass encapsulated units which are ideally suited for immersion in fluid and convenient for mounting in air sensor assemblies. They are extremely reliable and stable and are usable in a wide variety of applications. **FEATURES:** Hermetically sealed in glass. Weldable/solderable dumet leads. Maximum temperature: 300°C. D.C. 1 mW/°C minimum; T.C. 22 sec. maximum.

Cat. No.	Resistance at 25°C (Ohms)	Tolerance at 25°C	Ratio	R-T Curve	Net Price Each	
					1-49	50-99
121-202EAJ-Q01	2K	±20%	7.04	11	\$10.94	\$9.85
121-103FAJ-Q01	10K	±20%	7.59	12	10.94	9.85

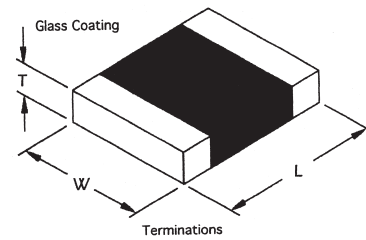


DIMENSIONS ARE IN INCHES

GLASS ENCAPSULATED CHIP THERMISTORS

High quality line of low cost, hermetically sealed, glass encapsulated units. They are designed to cover the full temperature range of -60°C to +300°C. The uniform dimensions are ideally suited for automated assembly. A rugged sensor, it is designed for any application which demands reliability at a low cost. The tinned copper clad steel leads are both solderable and weldable, and leads may be formed/cut for radial lead applications. **FEATURES:** Rugged DO-35 glass encapsulation. High temperature capability (300°C). Ideal for highly automated assembly. D.C. 1.2mW/°C in still air minimum; T.C. 4 sec. in still air maximum.

Cat. No.	Resistance at 25°C (Ohms)	Tolerance at 25°C	R-T Curve	Net Price Each	
				1-249	250-999
135-502FAG-J01	5K	±10%	10	\$.78	\$.70
135-103FAG-J01	10K	±10%	10	.78	.70
135-103LAG-J01	10K	±10%	16	.78	.70
135-103LAF-J01	10K	±5%	16	.81	.73
135-503LAG-J01	50K	±10%	16	.78	.73
135-104LAG-J01	100K	±10%	16	.78	.73
135-104LAF-J01	100K	±5%	16	.81	.73
135-104QAG-J01	500K	±10%	1	.94	.70
135-105QAG-J01	1M	±10%	1	.78	.73



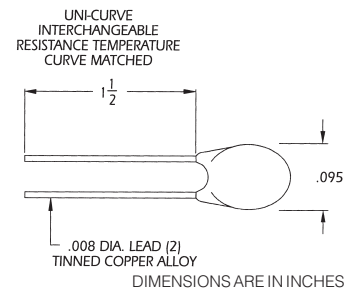
DIMENSIONS ARE IN INCHES

SURFACE MOUNTED, END-BANDED CHIPS

Designed to be mounted onto P.C. boards using robotic technology. They are particularly well suited for P.C. boards with a high density of discrete components. The palladium silver end-bands may be readily attached using epoxy bonding, soldering paste, reflow soldering, wave soldering, vapour phase soldering, or infrared soldering. The thermistor is designed with migrational and leach resistant silver to withstand temperatures of 260°C for 10 seconds while soldering. **FEATURES:** Small size. Low cost. Rated to 150°C operating temperature. D.C. 1.0 mW/°C minimum; T.C. 10 sec. maximum. **DIMENSIONS:** 0805 package: length 0.79 ± .008 × width .049 ± .008 × thickness .051 max. Termination width: .020 ± .010. 1206 package: length .126 ± .008 × width .063 ± .008 × thickness .059 max. Termination width: .025 ± .015.

Cat. No.	Resistance at 25°C (Ohms)	Tolerance at 25°C	R-T Curve	Net Price
0805 PACKAGE				
173-103LAF-301	10K	±5%	16	\$1.40
173-503LAF-301	50K	±5%	16	.87
173-104LAF-301	100K	±5%	18	.87
1206 PACKAGE				
175-103LAF-301	10K	±5%	16	.87
175-503LAF-301	50K	±5%	16	2.31
175-104LAF-301	100K	±5%	18	.87

NOTE: Minimums apply for T/R. Bulk versions add suffix 3B1 instead of 301, example: 175-103LAF-3B1.



DIMENSIONS ARE IN INCHES

UNI-CURVE® INTERCHANGEABLE THERMISTORS

High quality, low cost resistance temperature matched interchangeable thermistors. They offer additional cost savings by eliminating the need for individual temperature calibration, as well as standardization of circuit components and simplification of design and replacement problems. They are particularly well suited for use in applications such as temperature measurements, indication, and control. Other applications included: compensation of ambient temperature effects on copper coils, transistors, integrated circuits, and other semiconductor devices. **FEATURES:** Accuracy. High stability. High reliability. Long life. Epoxy coated. D.C. 0.75 mW/°C minimum; T.C. 15 sec. maximum. Maximum temperature: 125°C.

Cat. No.	Resistance at 25°C (Ohms)	Tolerance at 25°C	R-T Curve	Net Price Each	
				1-99	100-Up
192-502LET-A01	5K	±0.2%	16	\$3.40	\$3.06
192-103LET-A01	10K	±0.2%	16	3.40	3.06
192-303LET-A01	30K	±0.2%	18	3.44	3.10
192-503QET-A01	50K	±0.2%	1	3.40	3.06
192-104QET-A01	100K	±0.2%	1	3.40	3.06