

**SURFACE MOUNTED, END-BANDED CHIPS**

**FEATURES**

- Surface mountable for automated pick and place
- Glass coated ceramic for long term reliability
- Solder plated-Nickel
- Offered in tape and reel for automated assembly
- Rated to 150° C operating temperature
- T.C. 10 sec.; D.C. 3.5 mW

All illustration dimensions are in inches.

**SURFACE MOUNTED, END-BANDED NTC THERMISTORS** are designed to be mounted onto rigid or flexible PC boards using robotic technology. They are particularly well suited for PC boards with a high density of discrete components. The solder-plated Ni-barrier terminations are easily soldered and meet ANSI/J-STD-002 Method B. The thermistor is designed to withstand solder temperatures of 260°C for 30 seconds.

<b>SURFACE MOUNTED, END-BANDED CHIPS</b>			
Parameter	Specification		
EIA Package Designation	0603	0805	1206
Part Number	172-xxxxxx-301	173-xxxxxx-301	175-xxxxxx-301
Length (L) Width (W) Thickness (T)	.063 ± .006 .031 ± .006 .038 MAX	.079 ± .008 .049 ± .008 .051 MAX	.126 ± .008 .063 ± .008 .059 MAX
Termination Width	.015 ± .010	.020 ± .010	.025 ± .015

<b>ELECTRICAL CHARACTERISTICS ** 5% Tolerance @ 25° C</b>				
Resis. at 25° C (Ohms)	R-T Curve	Part Number 0603 Package	Part Number 0805 Package	Part Number 1206 Package
500	8	172-501AAF-301 ⓓ	173-501AAF-301	175-501AAF-301
5K	24	172-502GAF-301 ⓓ	173-502GAF-301	175-502GAF-301
10K	16	172-103LAF-301 ⓓ	173-103LAF-301	175-103LAF-301
15K	16	172-153LAF-301 ⓓ	173-153LAF-301	175-153LAF-301
33K	16	172-333LAF-301 ⓓ	173-333LAF-301	175-333LAF-301
50K	16	172-503LAF-301 ⓓ	173-503LAF-301	175-503LAF-301
100K	18	172-104KAF-301 ⓓ	173-104KAF-301	175-104KAF-301
500K	1	172-504QAF-301 ⓓ	173-504QAF-301	175-504QAF-301

\*\* 2%, 3%, 5%, 10% tolerance units are also available.

ⓓ = Distributor item

Note: Use the last 2 digits of the part number to designate packaging requirements: B1 = Bulk Pack, K1 = 1,000/reel, 01 = 3,500/reel.