

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.

| SURFACE MOUNTED, END-BANDED CHIPS | | | |
|--|--|--|--|
| 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 |

| ELECTRICAL CHARACTERISTICS ** 5% Tolerance @ 25° C | | | | |
|---|-----------|--------------------------|--------------------------|--------------------------|
| 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.