



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

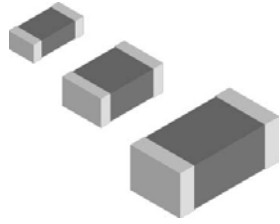
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NTC Thermistors, Surface Mount Chip



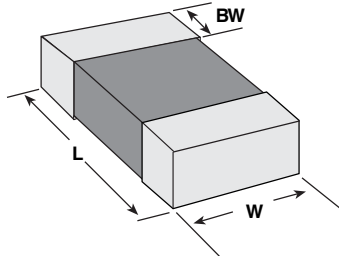
FEATURES

- Solderable terminations
- Wraparound terminations
- Allows design flexibility for use with hybrid circuitry
- High-density monolithic construction

| NTHS PRODUCT R ₂₅ °C VALUE RANGE BY CURVE AVAILABILITY | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|--------------------------|
| CURVE | NTHS-0402 | NTHS-0603 | NTHS-0805 | NTHS-1206 | NTHS-1012 | % TOLERANCE AVAILABILITY |
| 3 | N/A | 1000 - 2000 | 1000 - 2000 | 1000 - 2000 | 500 - 700 | 5 %, 10 % |
| 6 | 4.7K - 5.0K | 2K - 3.5K | 1.5K - 2.8K | 1.5K - 3.5K | 1000 - 2000 | 5 %, 10 % |
| 2 | 10K - 12K | 6.8K - 12K | 4.7K - 10K | 4.7K - 10K | 1.3K - 4.3K | 3 %, 5 %, 10 % |
| 10 | 18K - 25K | 10K - 20K | 6K - 12K | 10K - 20K | 4.5K - 7K | 3 %, 5 %, 10 % |
| 11 | 30K - 34K | 22K - 32K | 12K - 30K | 20K - 33K | 9K - 13K | 3 %, 5 %, 10 % |
| 5 | 47K - 50K | 32K - 50K | 35K - 50K | 30K - 44K | 15K - 20K | 3 %, 5 %, 10 % |
| 1 | 68K - 100K | 32K - 100K | 33K - 100K | 32K - 70K | 10K - 30K | 1 % to 10 % |
| 17 | 250K | 150K - 200K | 100K - 200K | 100K - 200K | 30K - 93K | 3 %, 5 %, 10 % |
| 4 | 350K | 200K - 220K | 200K - 220K | 200K - 330K | 93K - 140K | 3 %, 5 %, 10 % |

| GLOBAL PART NUMBER INFORMATION | | | | | | |
|---|----------------------------------|---|---------------------|--------------------------------|--|--|
| New Global Part Numbering: NTHS1206N02N1002JR (preferred part numbering format) | | | | | | |
| <div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> N T H S 1 2 0 6 N 0 2 N 1 0 0 2 J R </div> | | | | | | |
| GLOBAL MODEL NTHS0402 NTHS0603 NTHS0805 NTHS1206 NTHS1012 | CONDUCTOR TYPE Nickel Barrier | CURVE 01 02 03 04 05 06 10 11 17 | CHARACTERISTIC N | RESISTANCE VALUE 1002 = 10K | TOLERANCE CODE F = ± 1 % J = ± 5 % K = ± 10 % | PACKAGING F = Lead (Pb)-free, Bulk E = Lead (Pb)-free, T/R (Full) P = Tin/Lead, Bulk R = Tin/Lead T/R (Full) |
| Historical Part Number example: NTHS1206N02N1002JR (will continue to be accepted) | | | | | | |
| NTHS1206 | N | 02 | N | 1002 | J | R |
| HISTORICAL MODEL | CONDUCTOR TYPE | CURVE | CHARACTERISTIC | RESISTANCE VALUE | TOLERANCE | PACKAGING |

DIMENSIONS in inches [millimeters]



| PART NUMBER | L | W | BW |
|-------------|----------------------------------|--------------------------------|---------------------------------|
| NTHS-0402 | 0.040 ± 0.004 [1.016 ± 0.102] | 0.022 ± 0.006 [0.5 ± 0.051] | 0.010 ± 0.004 [0.25 ± 0.102] |
| NTHS-0603 | 0.063 ± 0.008 [1.6 ± 0.20] | 0.031 ± 0.008 [0.80 ± 0.20] | 0.010 ± 0.006 [0.25 ± 0.15] |
| NTHS-0805 | 0.079 ± 0.008 [2.00 ± 0.20] | 0.049 ± 0.008 [1.25 ± 0.20] | 0.012 ± 0.006 [0.30 ± 0.15] |
| NTHS-1206 | 0.126 ± 0.008 [3.20 ± 0.20] | 0.063 ± 0.008 [1.60 ± 0.20] | 0.018 ± 0.008 [0.46 ± 0.20] |
| NTHS-1012 | 0.098 ± 0.008 [2.50 ± 0.20] | 0.126 ± 0.008 [3.20 ± 0.20] | 0.018 ± 0.008 [0.46 ± 0.20] |

| TYPICAL PRODUCT RTC CHARACTERISTICS | | | | | | | | | |
|--|-------|--------|-------|--------|-------|-------|-------|-------|--------|
| CURVE | 1 | 2 | 3 | 4 | 5 | 6 | 10 | 11 | 17 |
| NTC%/°C at + 25 °C | - 4.4 | - 3.83 | - 3.5 | - 4.68 | - 4.3 | - 3.6 | - 3.9 | - 4.0 | - 4.54 |
| Beta + 25 °C/+ 75 °C | 3964 | 3477 | 3181 | 4247 | 3890 | 3254 | 3500 | 3700 | 4064 |

Beta Tolerance is ± 3 %



Disclaimer

All product specifications and data are subject to change without notice.

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