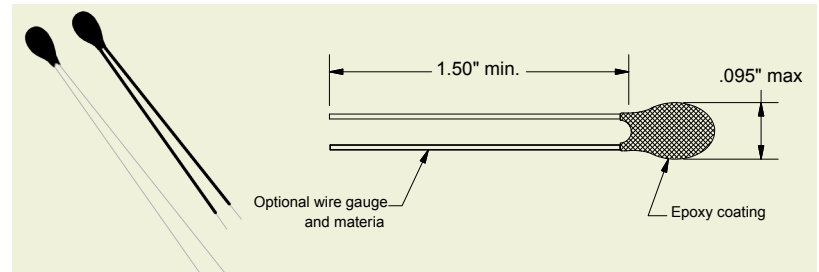


## EC5004D EPOXY COATED CHIP THERMISTOR

- \* 50k ohms at 25°C
- \* STI Curve D Material
- \* Beta (25/85) = 4260 K
- \* Temperature Range -40°C to +150°C
- \* Thermally conductive epoxy coating
- \* Max OD .095"



| EC5004D-A30B       |                         |
|--------------------|-------------------------|
| Wire Gauge         | AWG #30                 |
| Wire Type          | Tin-plated Nickel Alloy |
| Interchangeability | ±0.2°C from 0°C to 70°C |

| EC5004D-C28B       |                         |
|--------------------|-------------------------|
| Wire Gauge         | AWG #28                 |
| Wire Type          | Tin-plated Copper       |
| Interchangeability | ±0.2°C from 0°C to 70°C |

Note: Also available in ±0.1°C and ±0.5°C

| FEATURES  |
|---|
| * Proven high reliability                                     |
| * Fast thermal response time                                  |
| * Rugged construction   |
| * Alloy lead wires for reduced stem effect                    |
| * Suitable for precision instrumentation                      |
| * Used extensively in temperature sensing probes / assemblies |

| MATERIAL |      | D              |            |
|----------|------|----------------|------------|
| (°C)     | (°F) | Resistance (Ω) | TCR (%/°C) |
| -40      | -40  | 2,033,550      | -6.94      |
| -30      | -22  | 1,038,700      | -6.50      |
| -20      | -4   | 553,250        | -6.10      |
| -10      | 14   | 306,200        | -5.74      |
| 0        | 32   | 175,500        | -5.40      |
| 10       | 50   | 103,900        | -5.09      |
| 20       | 68   | 63,350         | -4.80      |
| 25       | 77   | 50,000         | -4.67      |
| 30       | 86   | 39,715         | -4.54      |
| 40       | 104  | 25,530         | -4.30      |
| 50       | 122  | 16,800         | -4.07      |
| 60       | 140  | 11,295         | -3.87      |
| 70       | 158  | 7,750          | -3.67      |
| 80       | 176  | 5,420          | -3.49      |
| 90       | 194  | 3,855          | -3.32      |
| 100      | 212  | 2,785          | -3.17      |
| 110      | 230  | 2,045          | -3.02      |
| 120      | 248  | 1,525          | -2.88      |
| 130      | 266  | 1,150          | -2.75      |
| 140      | 284  | 880.0          | -2.63      |
| 150      | 302  | 680.0          | -2.52      |

Contact STI Engineering for R v T tables in other increments

Revision - 2018-07-12

### SENSING TECHNOLOGIES, INC.

5582 Enterprise Parkway, Fort Myers, FL 33905 • Tel: 239-600-6633 • Fax: (814) 834-9483  
Email: sales@sensing-tech.com • www.sensing-tech.com