

**ECN/PCN No.: M1110**

### For Manufacturer

|  |                           |   |  |
|--|---------------------------|---|--|
| <b>Product Description:</b><br>Chip NTC Thermistor |                           | <b>Abracon Part Number / Part Series:</b><br>ABNTC-0805 | <input checked="" type="checkbox"/> Series     |
|  |                           |   | <input type="checkbox"/> Part Number           |
| <b>Affected Revision:</b><br>B                     | <b>New Revision:</b><br>C | <b>Application</b>                                      | <input type="checkbox"/> Safety                |
|  |                           |   | <input checked="" type="checkbox"/> Non-Safety |

**Prior to Change:**

Electrical Specification Table:

| Part Number           | Resistance at 25°C<br>R25 (kΩ) | B constant<br>(25-50 °C) (K) | Max. Permissive<br>Operating<br>Current (25 °C)<br>(mA) | Thermal Time<br>Constant | Dissipation<br>Factor (mW/°C) | Rated Electric<br>Power (mW) |
|-----------------------|--------------------------------|------------------------------|---|--------------------------|-------------------------------|------------------------------|
| ABNTC-0805-202Δ-3950□ | 2.0                            | 3950                         | 1.0   | <5sec                    | 2.0                           | 200                          |
| ABNTC-0805-502Δ-3950□ | 5.0                            | 3950                         | 0.60  |                          |                               |                              |
| ABNTC-0805-682Δ-3950□ | 6.8                            | 3950                         | 0.50  |                          |                               |                              |
| ABNTC-0805-103Δ-3450□ | 10                             | 3450                         | 0.40  |                          |                               |                              |
| ABNTC-0805-103Δ-3950□ | 10                             | 3950                         | 0.44  |                          |                               |                              |
| ABNTC-0805-153Δ-3500□ | 15                             | 3500                         | 0.32  |                          |                               |                              |
| ABNTC-0805-223Δ-4050□ | 22                             | 4050                         | 0.31  |                          |                               |                              |
| ABNTC-0805-473Δ-4150□ | 47                             | 4150                         | 0.20  |                          |                               |                              |
| ABNTC-0805-503Δ-4150□ | 50                             | 4150                         | 0.18  |                          |                               |                              |
| ABNTC-0805-683Δ-4150□ | 68                             | 4150                         | 0.16  |                          |                               |                              |
| ABNTC-0805-104Δ-4250□ | 100                            | 4250                         | 0.14  |                          |                               |                              |
| ABNTC-0805-154Δ-4300□ | 150                            | 4300                         | 0.11  |                          |                               |                              |
| ABNTC-0805-224Δ-4350□ | 220                            | 4350                         | 0.08  |                          |                               |                              |
| ABNTC-0805-334Δ-4400□ | 330                            | 4400                         | 0.06  |                          |                               |                              |
| ABNTC-0805-474Δ-4500□ | 470                            | 4500                         | 0.05  |                          |                               |                              |
| ABNTC-0805-684Δ-4500□ | 680                            | 4500                         | 0.04  |                          |                               |                              |
| ABNTC-0805-135Δ-4700□ | 1300                           | 4700                         | 0.03  |                          |                               |                              |

Δ Please specify the tolerance code of R25 (F=±1%, H=±3%, J=±5%, K=±10%).

□: Please specify the tolerance code of B value (F=±1%, H=±3%).

**After Change:**

Electrical Specification Table:

| Part Number           | Resistance at 25°C<br>R25 (kΩ) | R25<br>Tolerance | B constant<br>(25-50 °C) (K) | B Tolerance | Max. Permissive<br>Operating<br>Current (25 °C)<br>(mA) | Thermal Time<br>Constant | Dissipation<br>Factor (mW/<br>°C) | Rated Electric<br>Power (mW) |
|-----------------------|--------------------------------|------------------|------------------------------|-------------|---|--------------------------|-----------------------------------|------------------------------|
| ABNTC-0805-502Δ-3950□ | 5.0                            | H, J, K          | 3950                         | H           | 0.60  | <5sec                    | 2.0                               | 200                          |
| ABNTC-0805-103Δ-3450□ | 10                             | F, H, J, K       | 3450                         | F, H        | 0.40  |                          |                                   |                              |
| ABNTC-0805-103Δ-3950□ | 10                             | F, H, J, K       | 3950                         | F, H        | 0.44  |                          |                                   |                              |
| ABNTC-0805-223Δ-4050□ | 22                             | F, H, J, K       | 4050                         | F, H        | 0.31  |                          |                                   |                              |
| ABNTC-0805-473Δ-4150□ | 47                             | F, H, J, K       | 4150                         | F, H        | 0.20  |                          |                                   |                              |
| ABNTC-0805-503Δ-4150□ | 50                             | F, H, J, K       | 4150                         | F, H        | 0.18  |                          |                                   |                              |
| ABNTC-0805-104Δ-4250□ | 100                            | F, H, J, K       | 4250                         | F, H        | 0.14  |                          |                                   |                              |

Δ: Please specify the tolerance code of R25 (F=±1%, H=±3%, J=±5%, K=±10%).

□: Please specify the tolerance code of B value (F=±1%, H=±3%).

|   |   |   |
|---|---|---|
| <b>Cause/Reason for Change:</b><br>Removed part numbers and tolerance options due to low production yield.  |   |   |
| <b>Change Plan</b>  | <b>Effective Date:</b><br>11/12/2019                      | <b>Additional Remarks:</b><br>N/A                     |
| <b>Change Declaration:</b><br>This notification only impacts the part numbers removed from the datasheet. A list of active and discontinued part number is included as an appendix to this document.                  |   |   |
| <b>Issued Date:</b><br>11/12/2019   | <b>Issued By:</b><br>Matthew Deleon                       | <b>Issued Department:</b><br>Engineering              |
| <b>Approval:</b><br>Syed Raza<br>Engineering VP   | <b>Approval:</b><br>Reuben Quintanilla<br>Quality Manager | <b>Approval:</b><br>Ying Huang<br>Purchasing Director |
| <b>For Abracon EOL only</b>   |   |   |
| <b>Last Time Buy (if applicable):</b><br>N/A  |   | <b>Alternate Part Number / Part Series:</b><br>N/A    |
| <b>Additional Approval:</b><br>N/A  | <b>Additional Approval:</b><br>N/A                        | <b>Additional Approval:</b><br>N/A                    |
| <b>Customer Approval (If Applicable)</b>  |   |   |
| <b>Qualification Status:</b><br><input type="checkbox"/> Approved<br><input type="checkbox"/> Not accepted<br>Note: It is considered approved if there is no feedback from customer 1 month after ECN/PCN is released |   |   |
| <b>Customer Part Number:</b>  |   | <b>Customer Project:</b>                              |
| <b>Company Name:</b>  | <b>Company Representative:</b>                            | <b>Representative Signature:</b>                      |
| <b>Customer Remarks:</b>  |   |   |