**Specification**

<table>
<thead>
<tr>
<th>Item Number:</th>
<th>TEC1-12712</th>
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<tbody>
<tr>
<td>Device Outline</td>
<td>See picture below</td>
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</tbody>
</table>
| Wire Criteria      | 1.18AWG UL, PVC insulated  
                      2. Standard 105°C tinned copper wire  
                      3. General length: 180±5mm  
                      4. Length of tinning without outer sphere on the end of wire: 5±1.0mm |
| Resistance (ohms)  | Environment Temperature 20°C, 1KHZ, 0.95-1.05 (ohms) |
| Packing            | Foam box |
| Printing           | See picture below |

![Diagram of wire connections](image_url)

**Other Requirement:**
1. Working Temperature: -55°C to +80°C  
3. P/N Couples: 127  
4. Imax: 12A (15.4VDC)  
5. Vmax: 15.4VDC  
6. Qmax: 120W (15.4VDC)  
7. Resistance range: AC-R 0.95-1.05 Ω (Surrounding Temperature 20°C, 1KHZ)  
8. Δ Tmax ≥ 66°C  
9. Wire should be soldered on the hot side  
10. 1.8AWG UL, PVC insulated, Standard 105°C tinned copper wire