# Specification

<table>
<thead>
<tr>
<th>Item Number</th>
<th>TEC1-12704</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device Outline</td>
<td>See picture below</td>
</tr>
<tr>
<td>Heat-shrink tube on the end of wire</td>
<td>Not available</td>
</tr>
</tbody>
</table>
| Wire Criteria | 1. 20AWG UL 1674, PVC insulated  
2. Standard 105°C tinned copper wire  
3. General length: 150±5mm  
4. Length of tinning without outer sphere on the end of wire: 5±1.0mm |
| Resistance (ohms) | Environment Temperature 20°C, 1KHZ, 2.85-3.15 (ohms) |
| Packing | Foam box, each box 50pcs |
| Printing | See picture below |

## Other Requirement:
1. Working Temperature: -55°C to + 80°C  
3. P/N Couples: 127 couples  
4. Imax: 4.0±0.5A (15.4VCD)  
5. Vmax: 15.4 VDC  
6. Qcmax: 33.4W (15.4VDG)  
7. Resistance range: AC-R 2.85-3.15 Ω (Surrounding Temperature 20°C 1KHZ)  
8. ΔTmax: ≥ 66°C  
9. Wire should be soldered on the hot side  
10. 20AWG UL 1674, PVC insulated, Standard 105°C tinned copper wire  
11. Resistance will be changed according to environment, environment temperature increase or decrease 1°C create or decrease 0.015
TEC1—12704

Vin— I —TC Graph    Th=50°C

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Qc — I —DT Graph    Th=50°C
Hebei I.T. (Shanghai) Co., Ltd.

Specification

TEC1-12704

I–Vin Graph   Th=50°C

Δ T=60
Δ T=50
Δ T=30
Δ T=0

0 1 2 3 4 A

0 5 10 15 20 V