

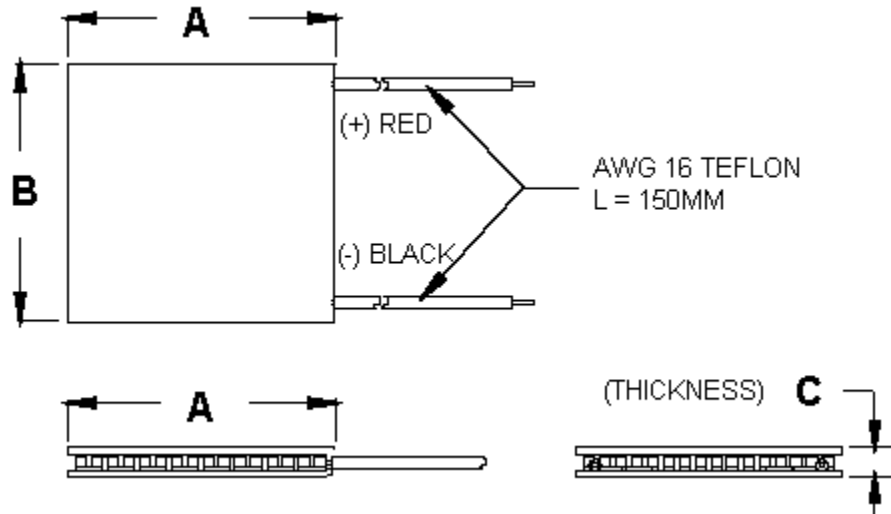


Performance Specifications

| Hot Side Temperature (°C) | 25° C | 50° C |
|---------------------------|-------|-------|
| Qmax (Watts) | 34 | 37 |
| Delta Tmax (°C) | 66 | 75 |
| I _{max} (Amps) | 3.3 | 3.3 |
| V _{max} (Volts) | 14.0 | 16.1 |
| Module Resistance (Ohms) | 3.1 | 3.6 |



Performance curves on page 2



Ceramic Material: Alumina (Al_2O_3)
 Solder Construction: 138°C, Bismuth Tin (BiSn)

Size table:

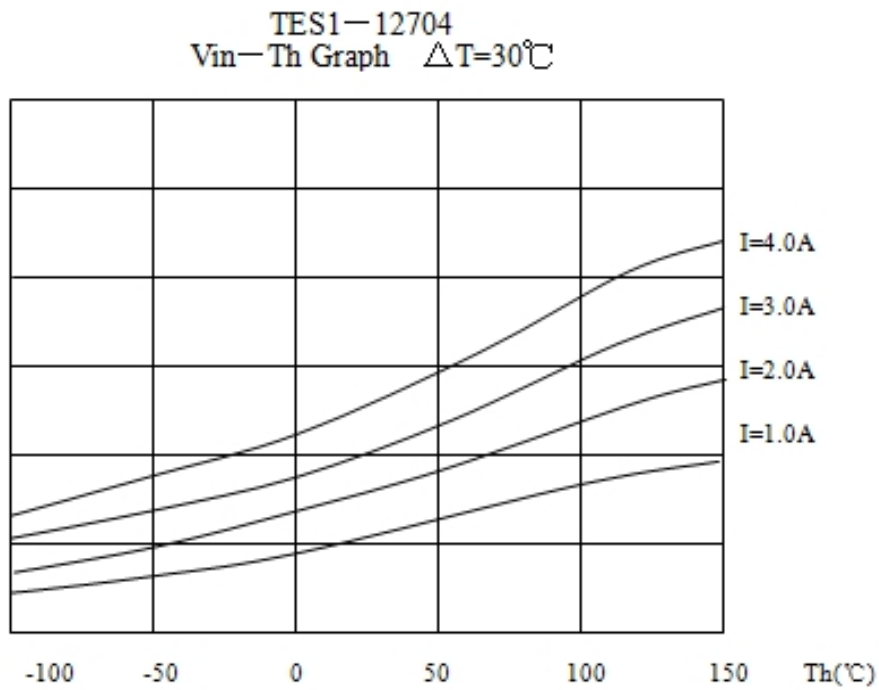
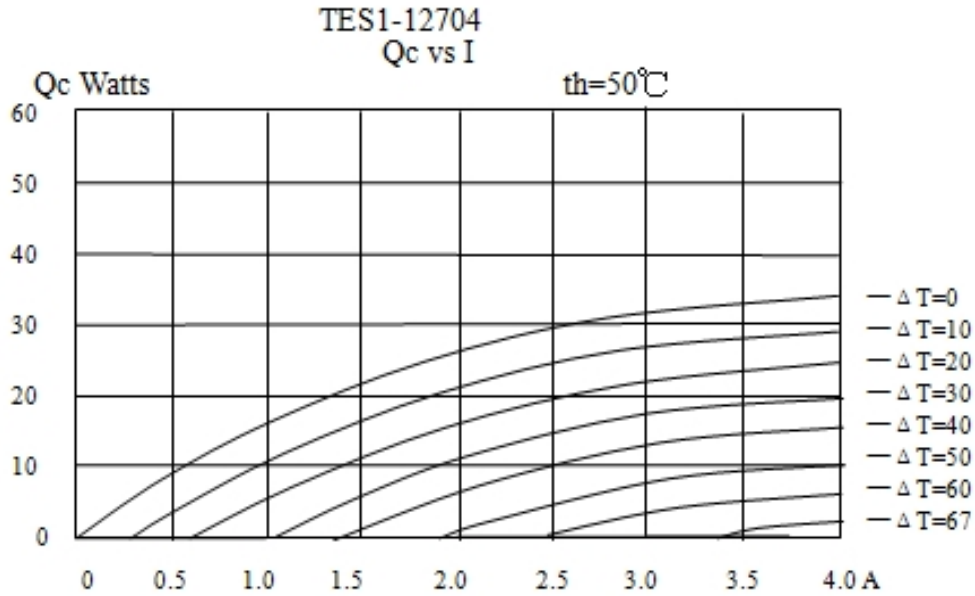
| A | B | C | | | |
|----|----|-----|--|--|--|
| 30 | 30 | 3.3 | | | |

Operating Tips

- Max. Operating Temperature: 138°C
- Do not exceed I_{max} or V_{max} when operating module.
- Life expectancy: 200,000 hours
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- Please consult HB for moisture protection options (sealing).
- Failure rate based on long time testings: 0.2%.



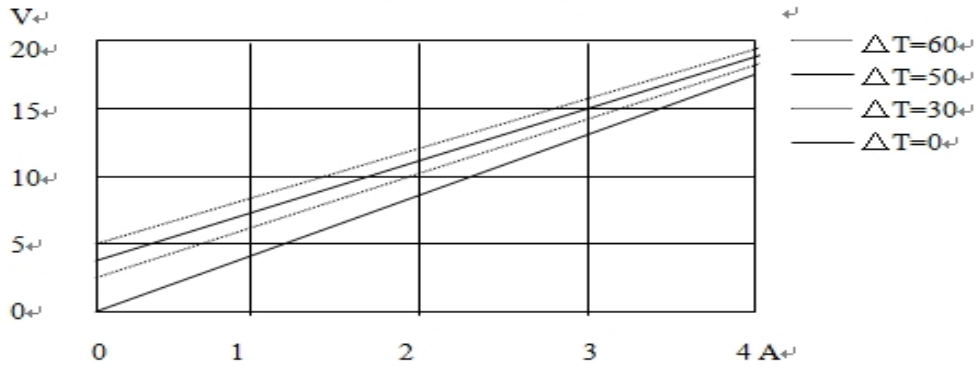
TES1-12704





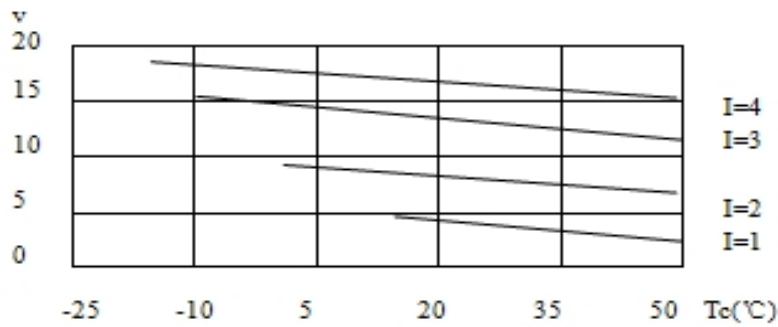
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I—Vin Graph Th=50°C



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Vin—I—TC Graph Th=50°C



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Qc—I—DT Graph Th=50°C

