



Thermoelectric Cooler

TES1-12704

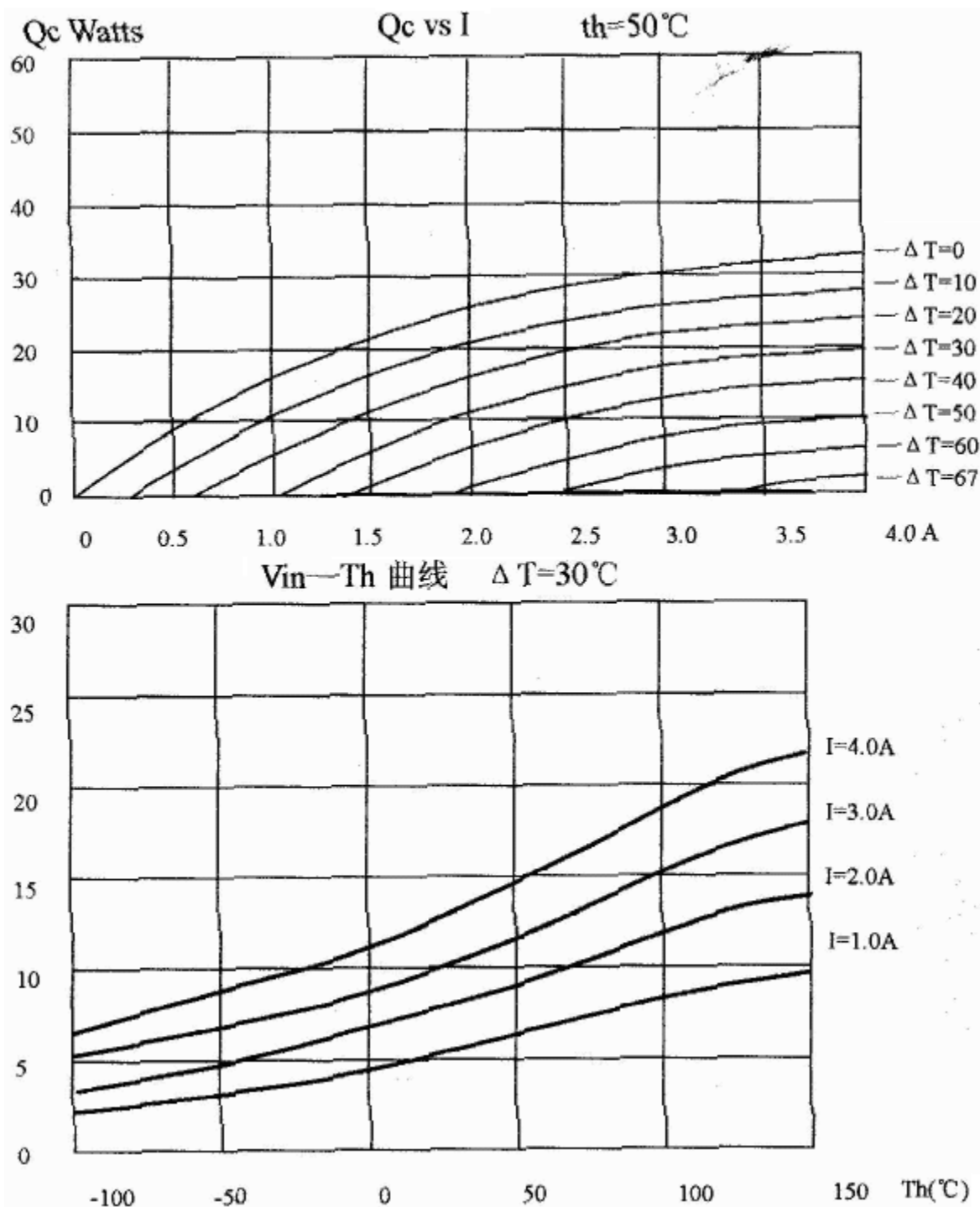
Performance Specifications

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



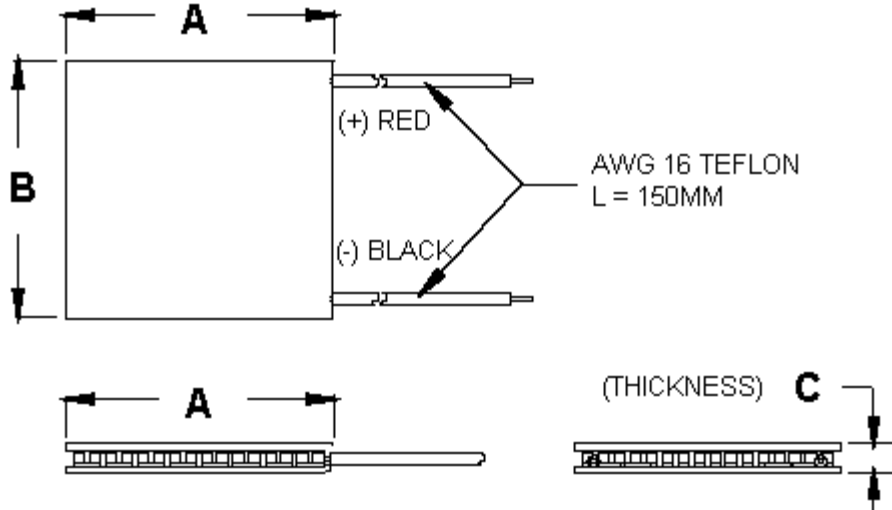
Performance curves on page 2







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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%.

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