

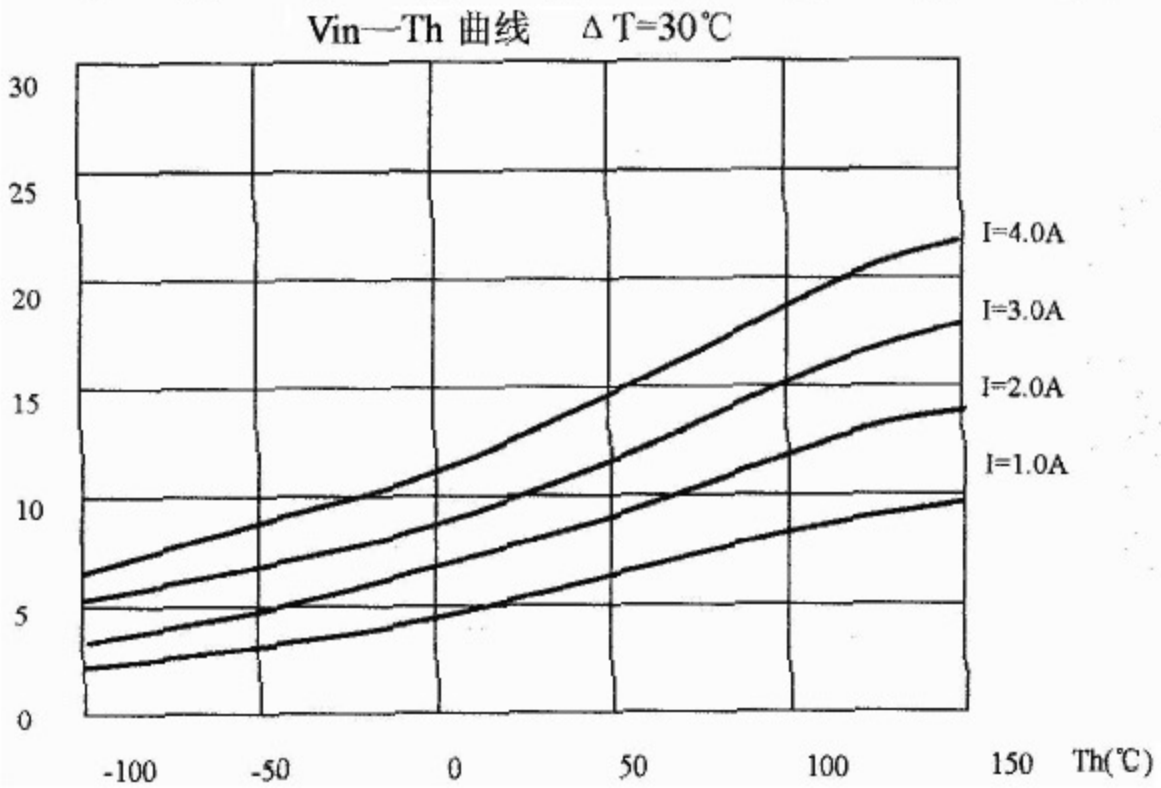
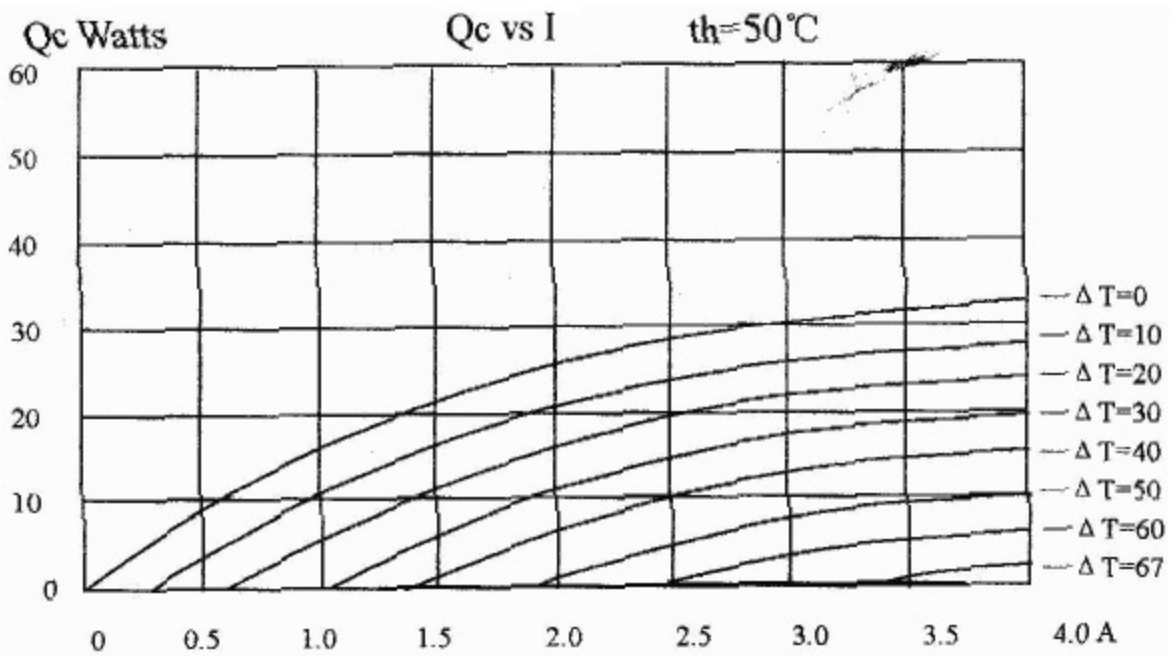
# Thermoelectric Cooler

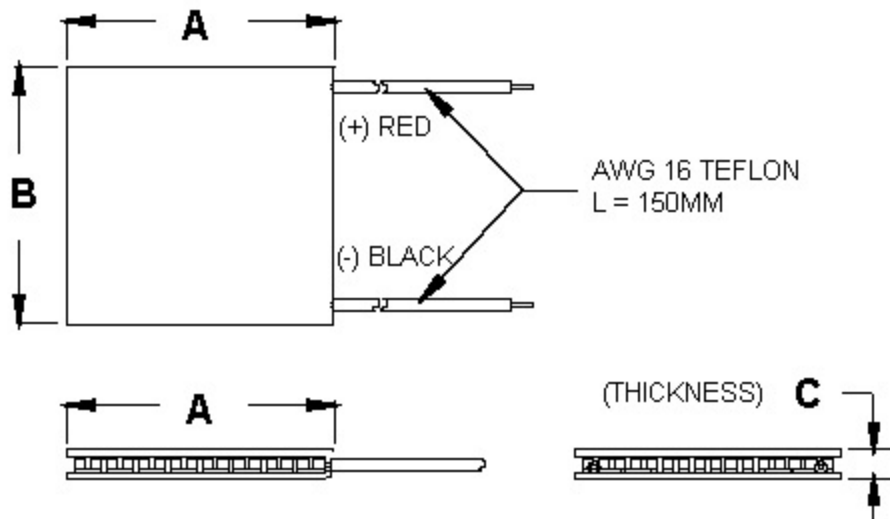


## Performance Specifications

Hot Side Temperature (°C)	25°C	50°C
Qmax (Watts)	34	37
Delta Tmax (°C)	66	75
I <sub>max</sub> (Amps)	3.3	3.3
V <sub>max</sub> (Volts)	14.0	16.1
Module Resistance (Ohms)	3.1	3.6







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
- Please consult HB for moisture protection options (sealing).
- Failure rate based on long time testings: 0.2%.