EN: This Datasheet/Document is presented by the manufacturer.

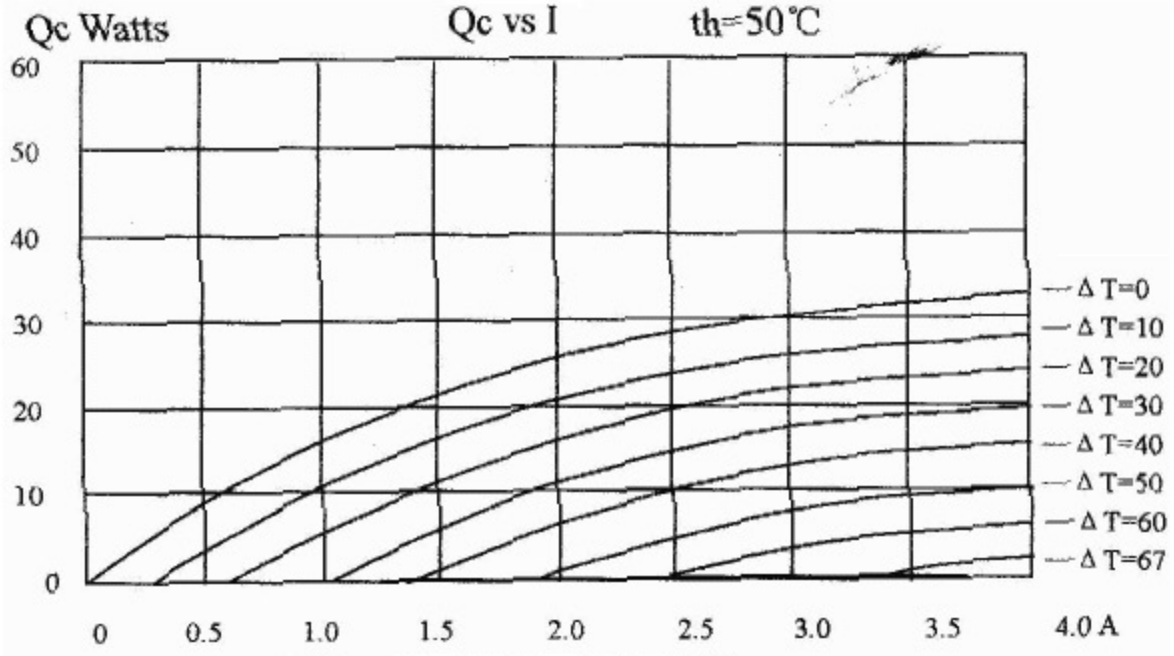
Please visit our website for pricing and availability at www.hestore.hu.

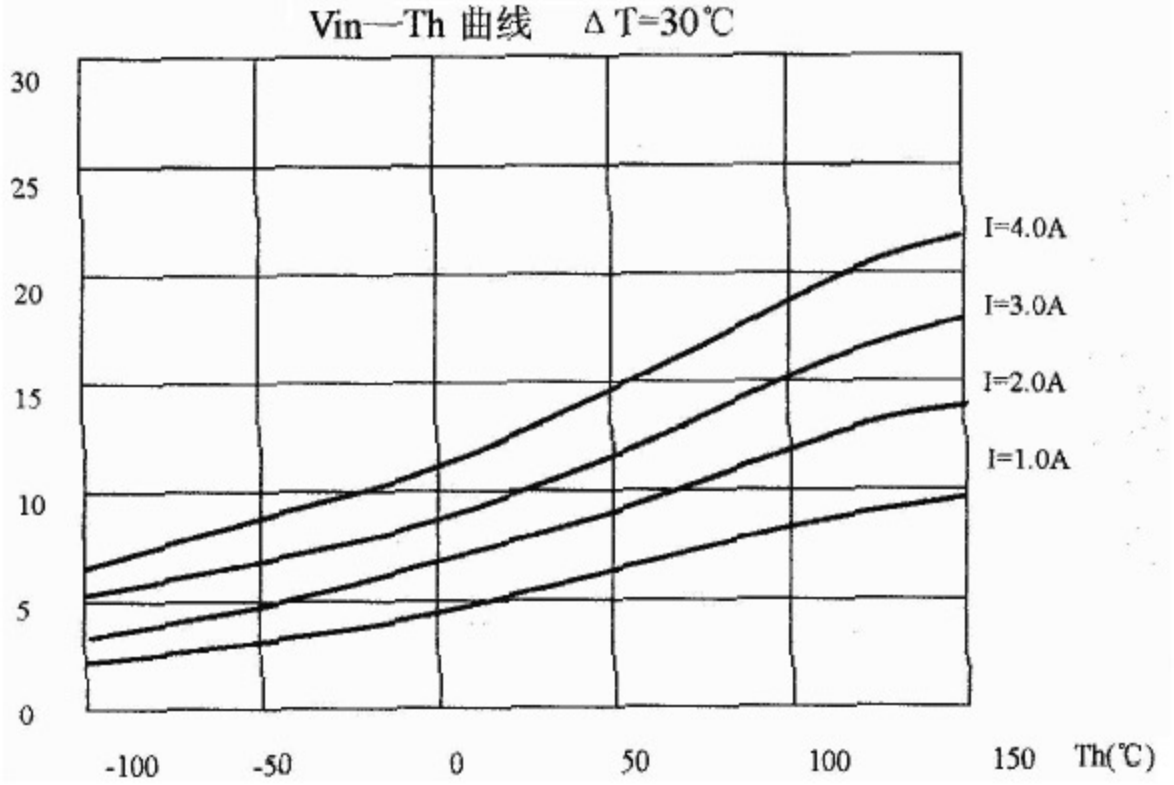
Thermoelectric Cooler

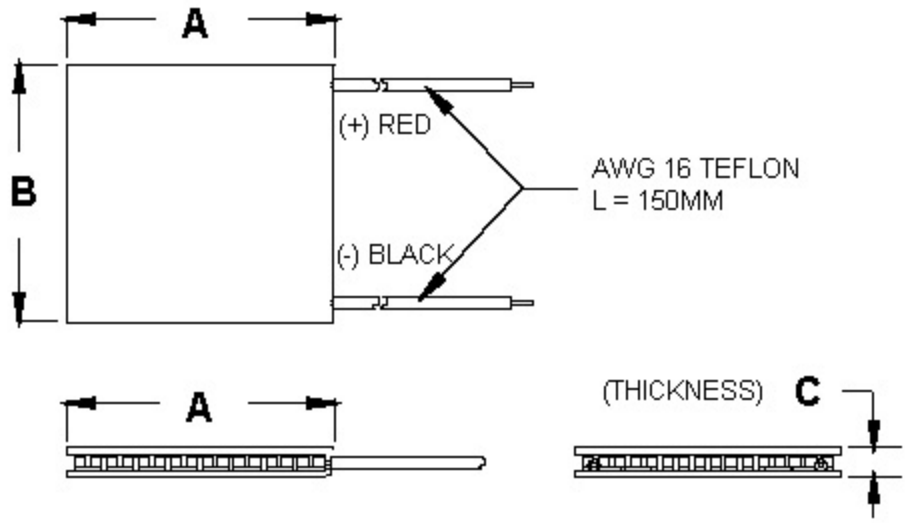
Performance Specifications

Hot Side Temperature (°C)	25°C	50°C
Qmax (Watts)	34	37
Delta Tmax (°C)	66	75
Imax (Amps)	3.3	3.3
Vmax (Volts)	14.0	16.1
Module Resistance (Ohms)	3.1	3.6




Qc Watts
Qc vs I
th=50℃
60
50
40
30
20
10
0
0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0 A
Δ T=0
Δ T=10
Δ T=20
Δ T=30
Δ T=40
Δ T=50
Δ T=60
Δ T=67


Vin—Th 曲线 Δ T=30℃
30
25
20
15
10
5
0
-100
-50
0
50
100
150
Th(℃)
I=4.0A
I=3.0A
I=2.0A
I=1.0A



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 Imax or Vmax when operating module.
- Life expectancy: 200,000 hours
- Please consult HB for moisture protection options (seeling).
- Failure rate based on long time testings: 0.2%.