

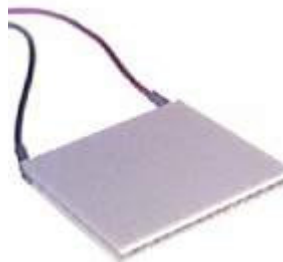


## Thermoelectric Cooler

**TEC1-12705**

### Performance Specifications

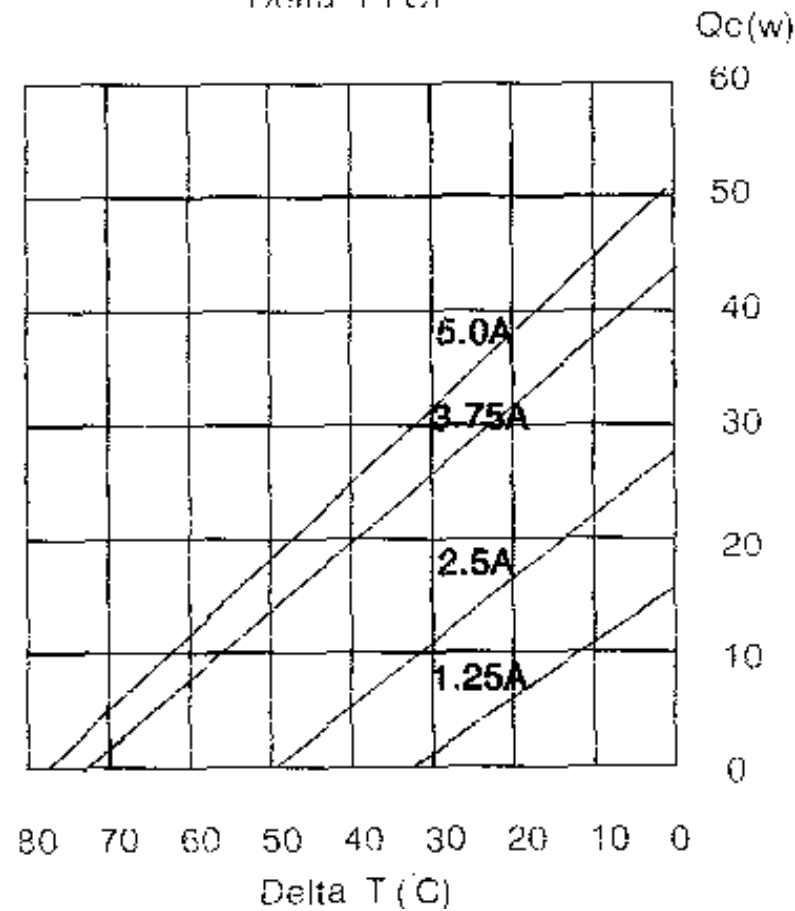
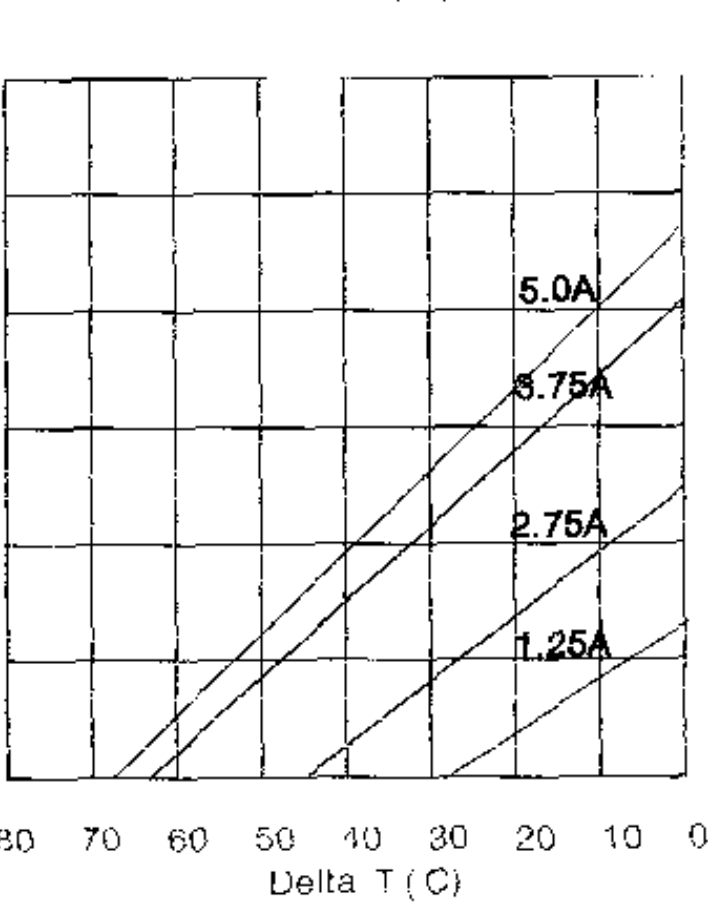
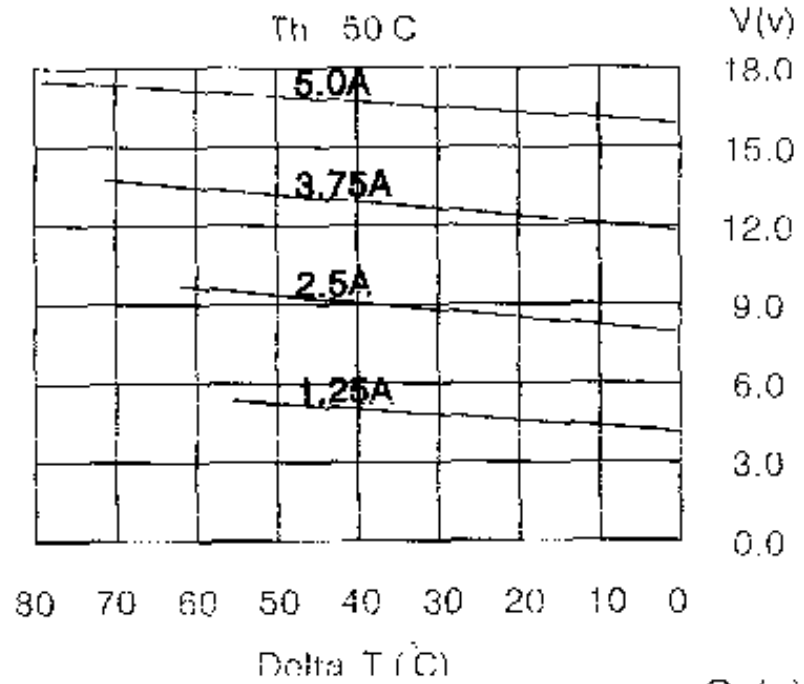
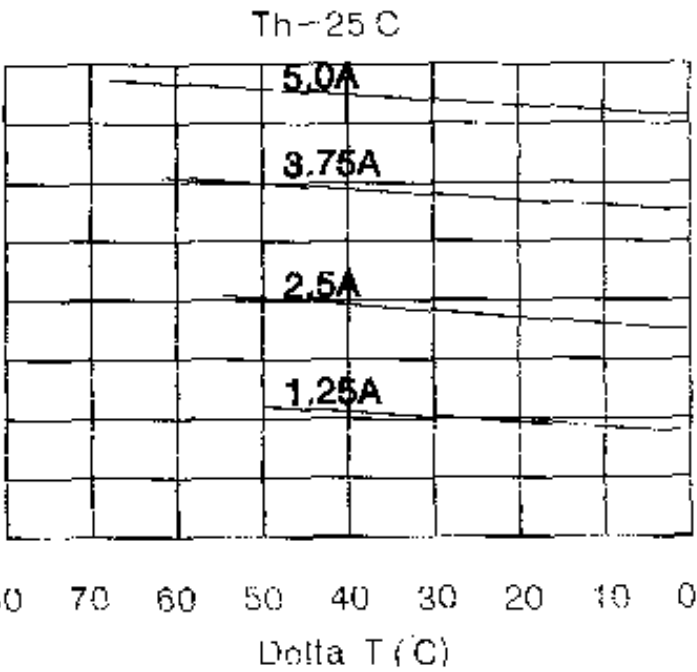
Hot Side Temperature (° C)	25° C	50° C
Qmax (Watts)	43	49
Delta Tmax (° C)	66	75
I <sub>max</sub> (Amps)	5.3	5.3
V <sub>max</sub> (Volts)	14.2	16.2
Module Resistance (Ohms)	2.40	2.75

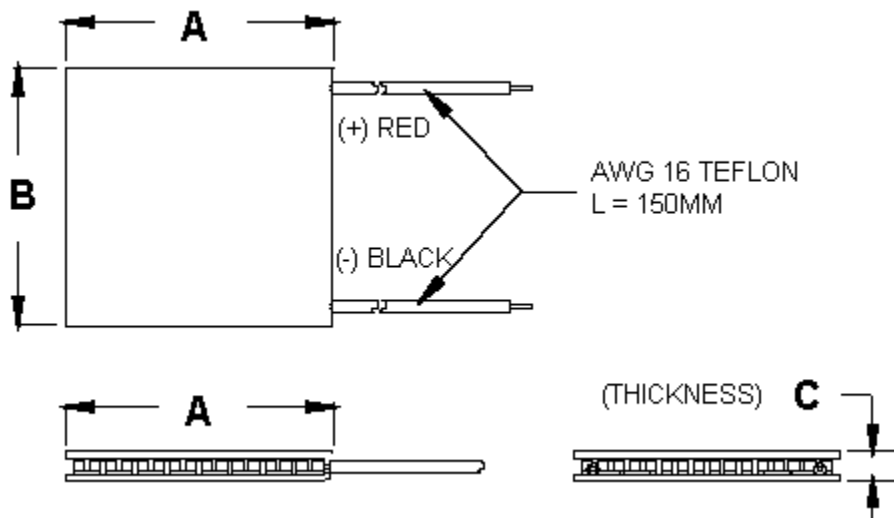


Performance curves on page 2



# TEC1-12705





Ceramic Material: Alumina ( $\text{Al}_2\text{O}_3$ )  
Solder Construction: 138°C, Bismuth Tin (BiSn)

#### Size table:

A	B	C			
40	40	4.2			

#### Operating Tips

- Max. Operating Temperature: 138°C
- Do not exceed  $I_{\text{max}}$  or  $V_{\text{max}}$  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%.