



# Thermoelectric Cooler

**TEC1-12706**

## Performance Specifications

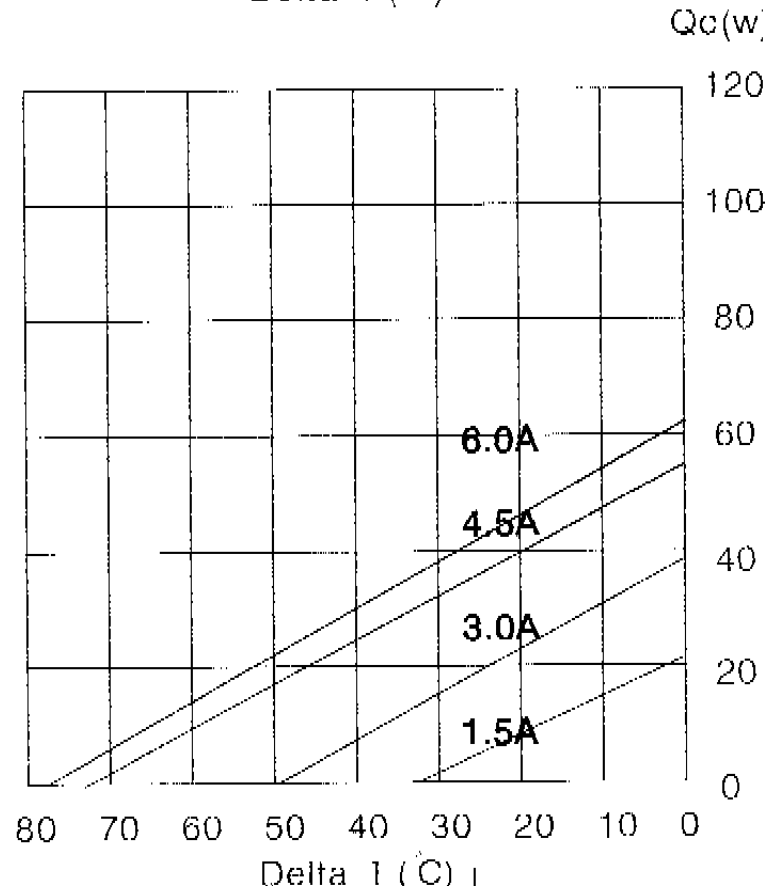
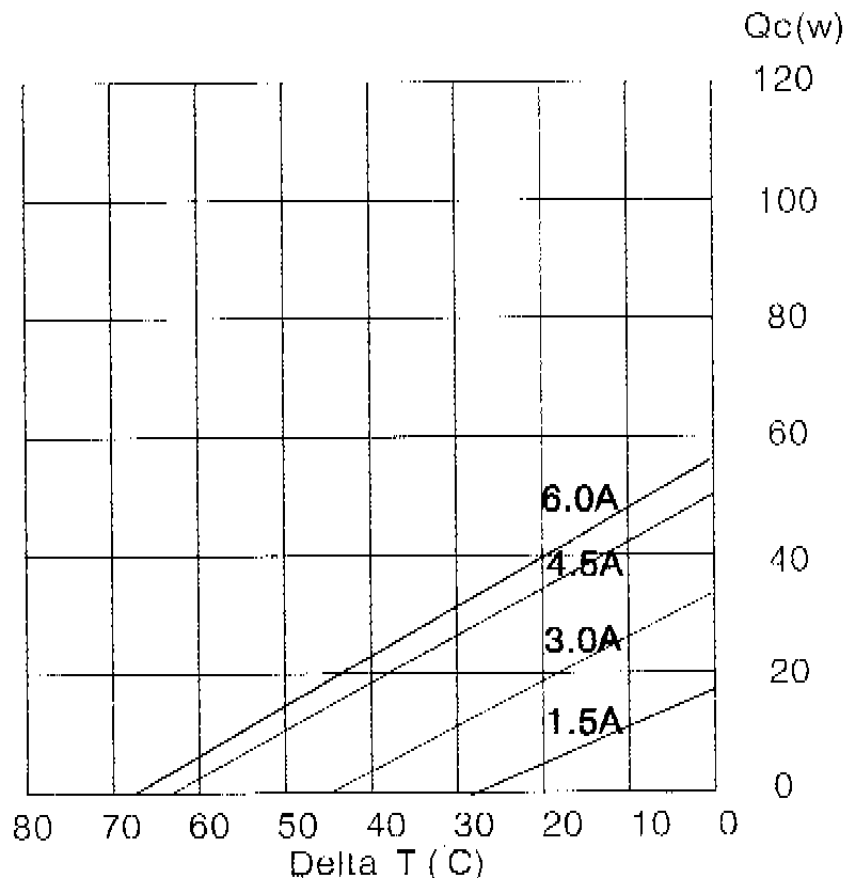
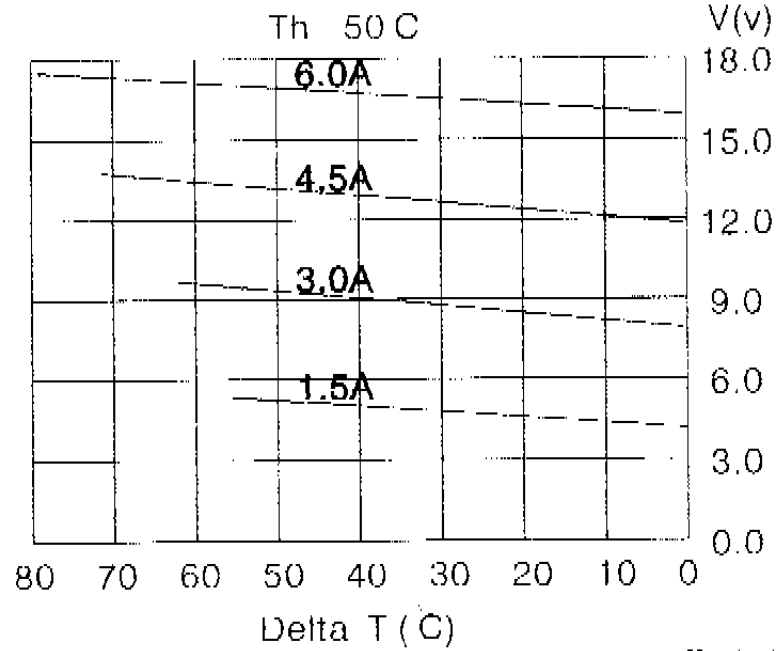
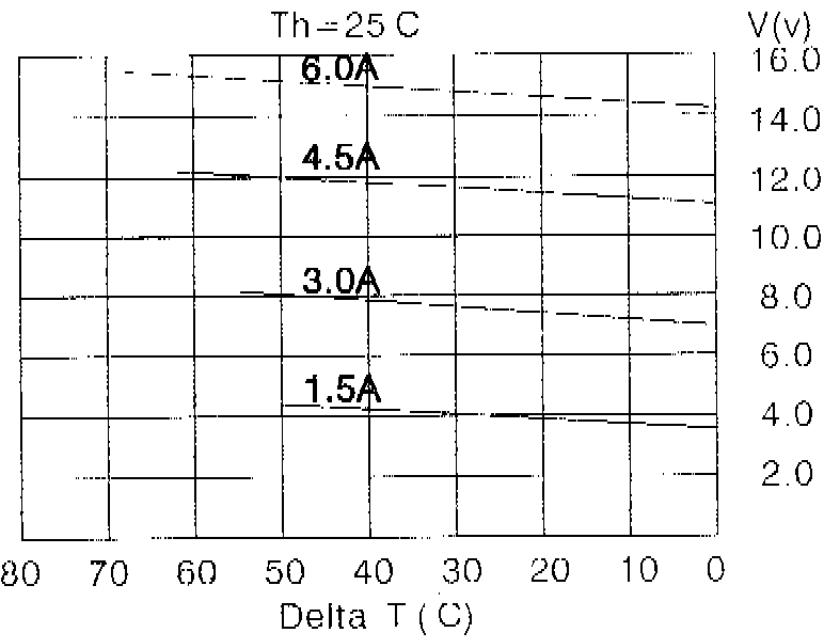
| Hot Side Temperature (°C) | 25° C | 50° C |
|---------------------------|-------|-------|
| Qmax (Watts)              | 50    | 57    |
| Delta Tmax (°C)           | 66    | 75    |
| I <sub>max</sub> (Amps)   | 6.4   | 6.4   |
| V <sub>max</sub> (Volts)  | 14.4  | 16.4  |
| Module Resistance (Ohms)  | 1.98  | 2.30  |

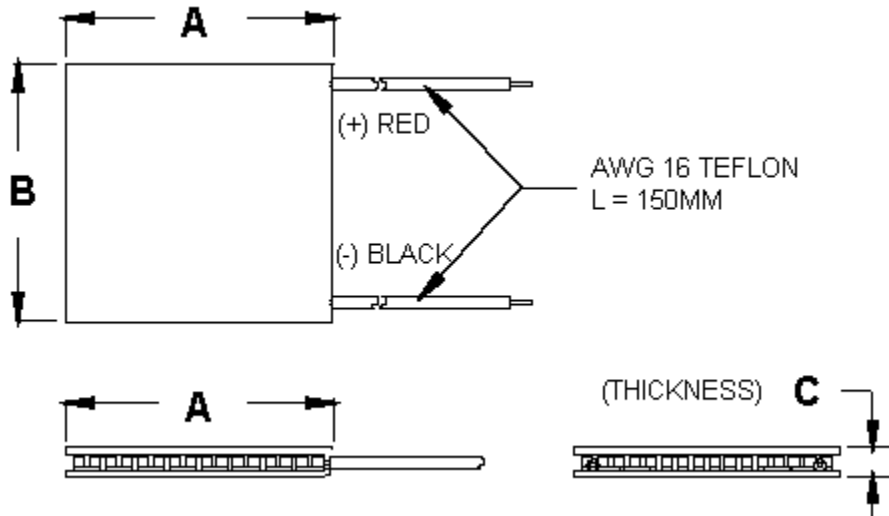


Performance curves on page 2



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

**Size table:**

| A  | B  | C   |  |  |  |
|----|----|-----|--|--|--|
| 40 | 40 | 3.8 |  |  |  |

**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%.