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# Thermoelectric Cooler

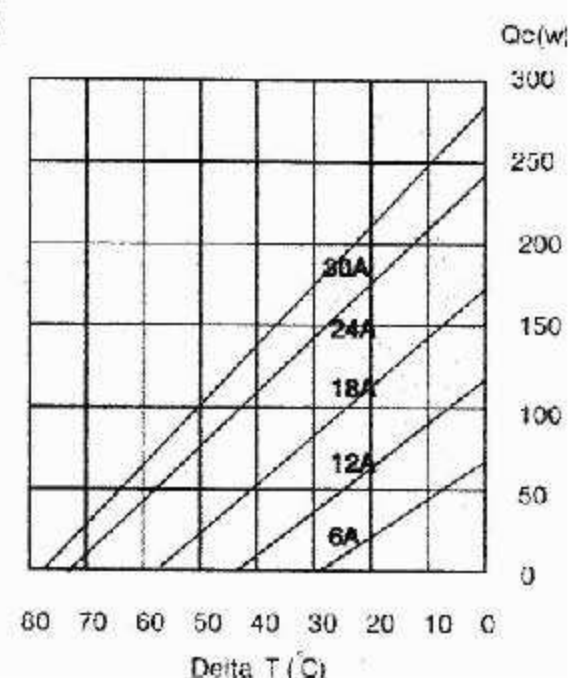
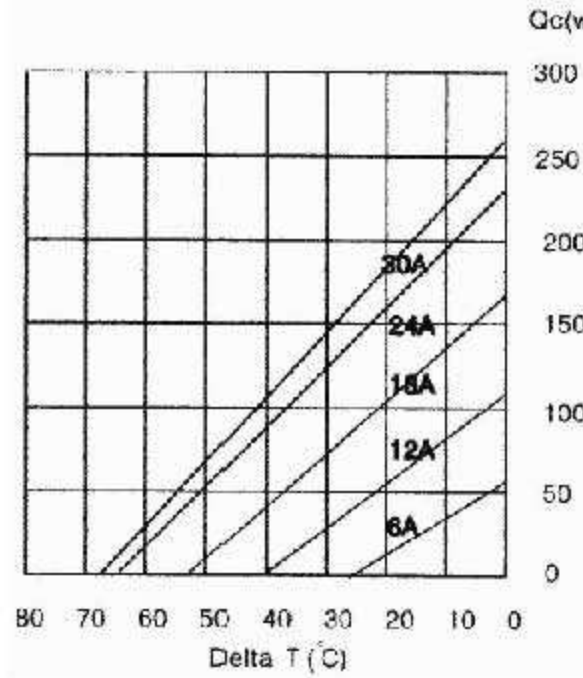
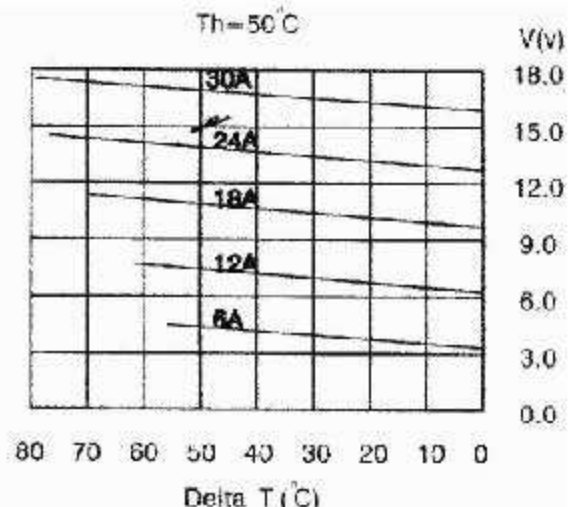
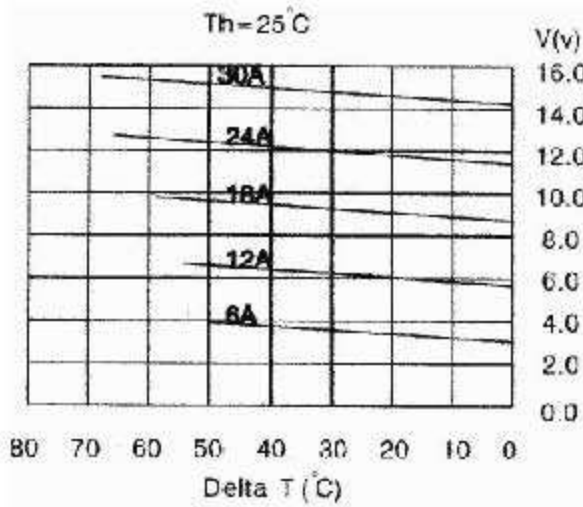
## Performance Specifications

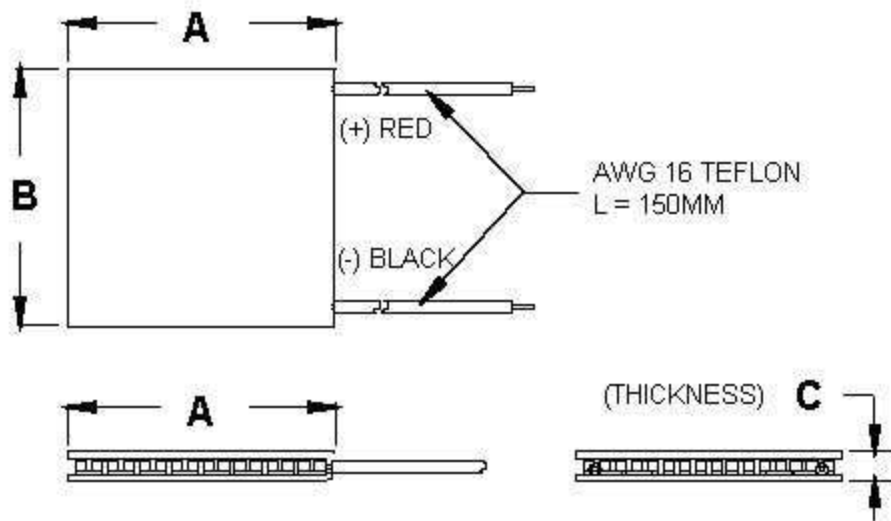
Hot Side Temperature (°C)	25°C	50°C
Qmax (Watts)	257	282
Delta Tmax (°C)	68	79
I <sub>max</sub> (Amps)	30.5	30.5
V <sub>max</sub> (Volts)	15.6	17.8
Module Resistance (Ohms)	0.27	0.31



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Performance curves on page 2





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

**Size table:**

A	B	C			
62	62	4.8			

**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%.