



# Thermoelectric Cooler

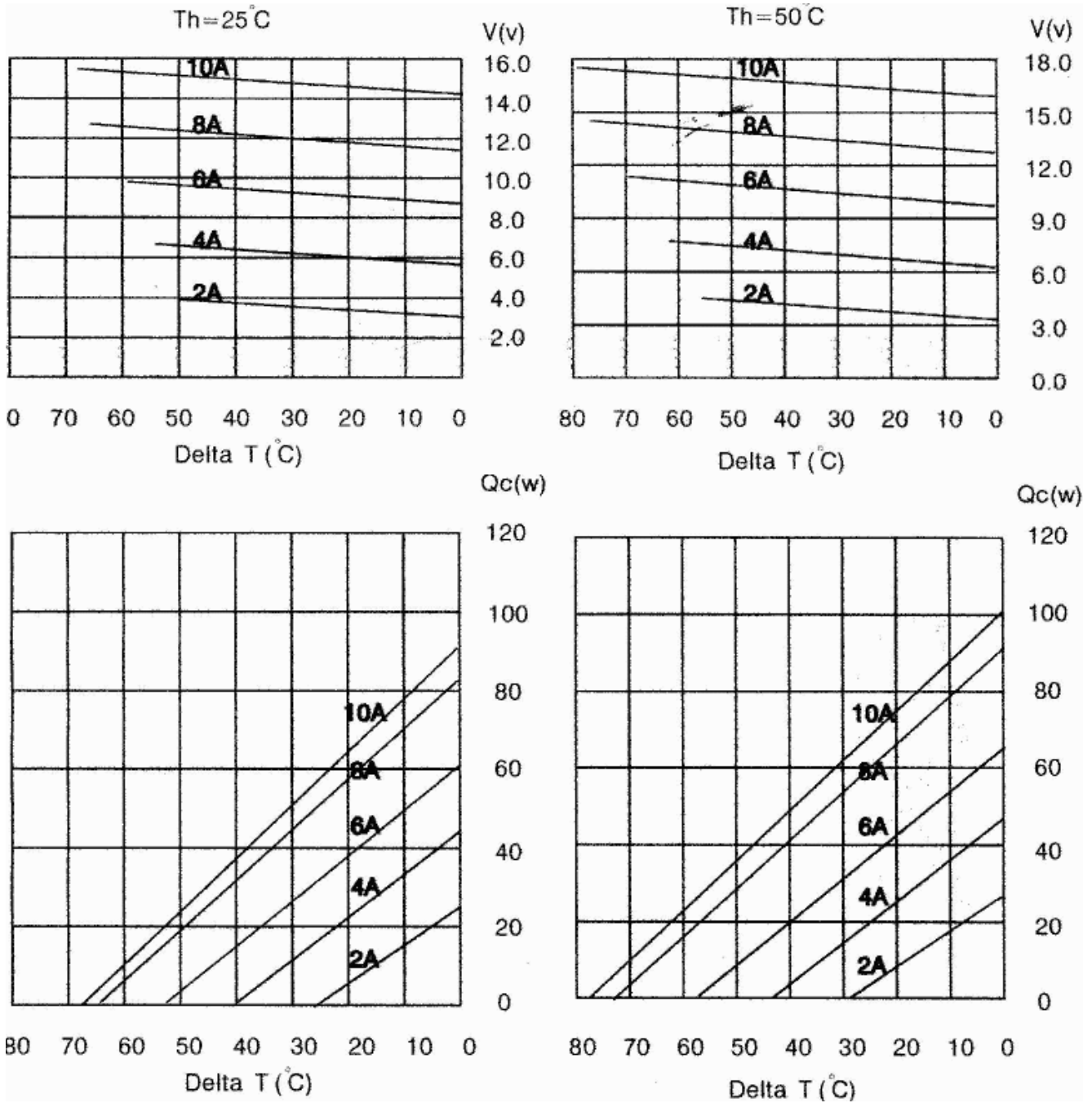
**TEC1-12710**

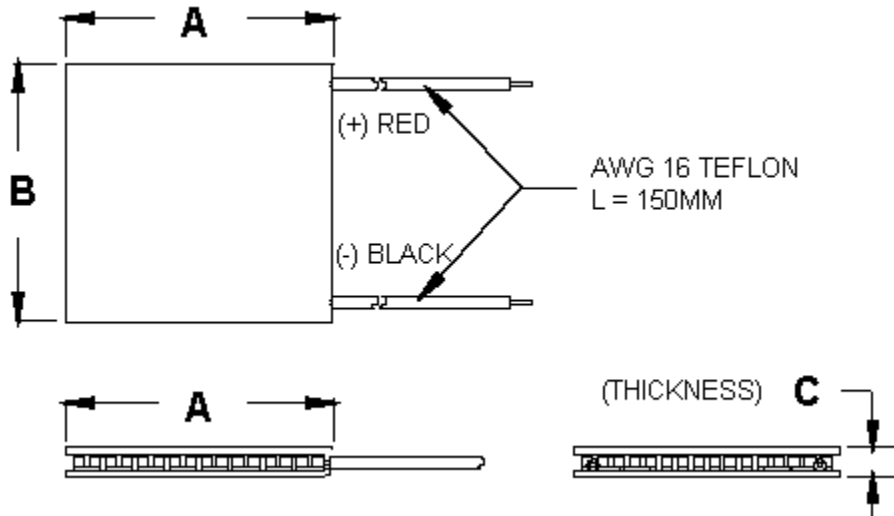
## Performance Specifications

Hot Side Temperature (°C)	25° C	50° C
Qmax (Watts)	85	96
Delta Tmax (°C)	66	75
I <sub>max</sub> (Amps)	10.5	10.5
V <sub>max</sub> (Volts)	15.2	17.4
Module Resistance (Ohms)	1.08	1.24



Performance curves on page 2





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

**Size table:**

A	B	C			
40	40	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
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- Please consult HB for moisture protection options (sealing).
- Failure rate based on long time testings: 0.2%.