

# Thermoelectric Cooler

**STONECOLD** **PM-40X40-53**

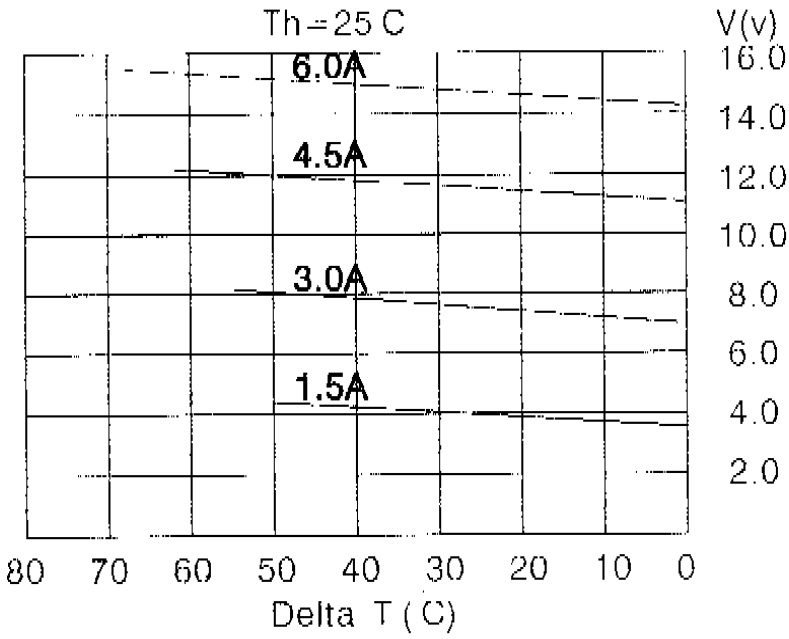
## Performance Specifications

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

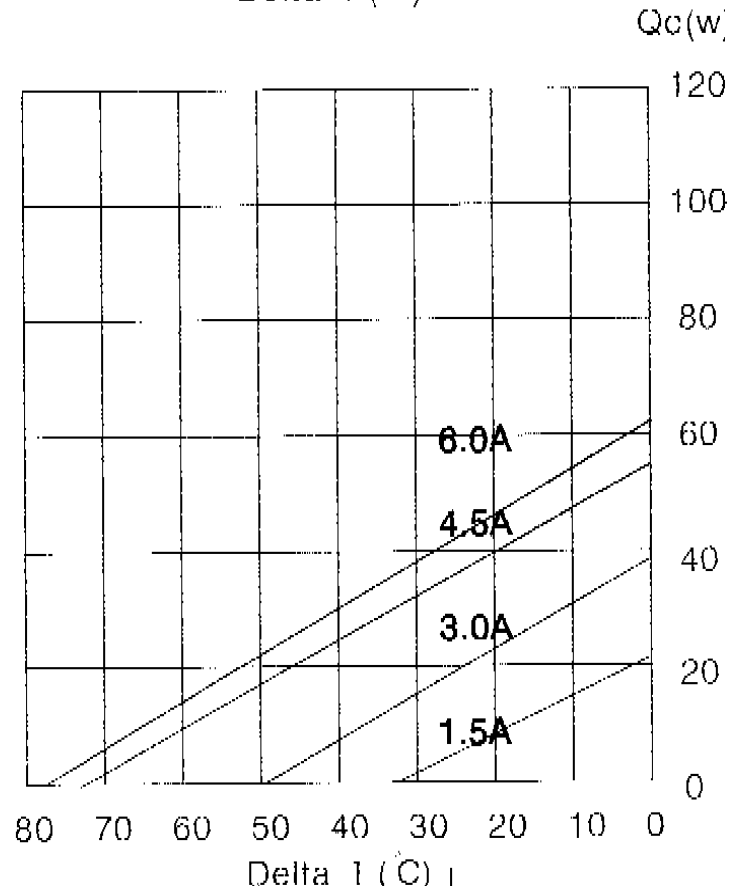
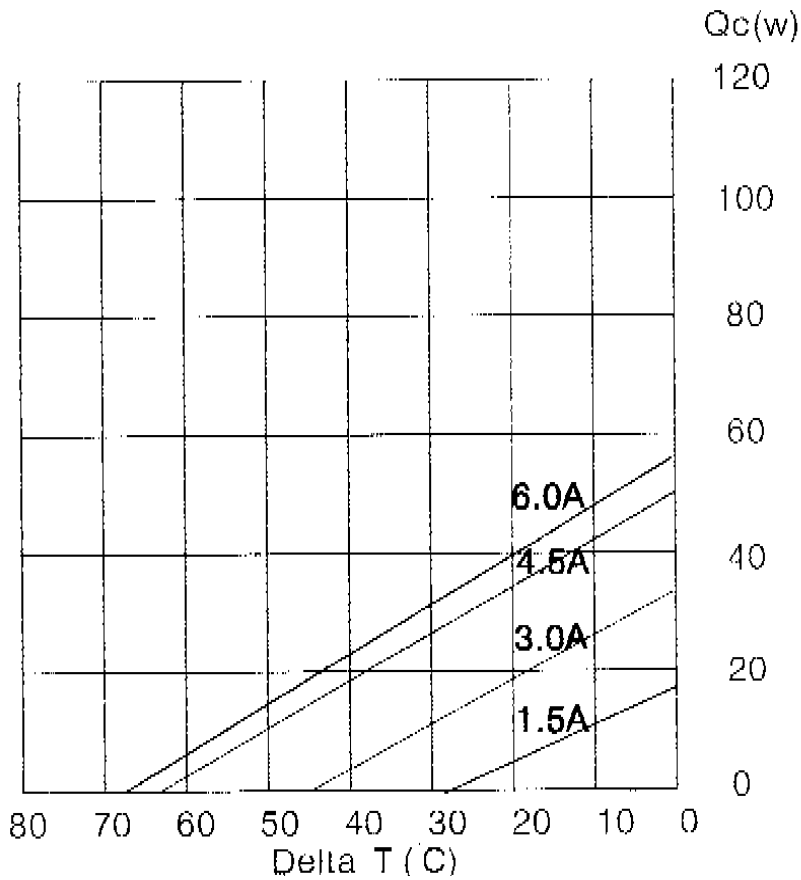
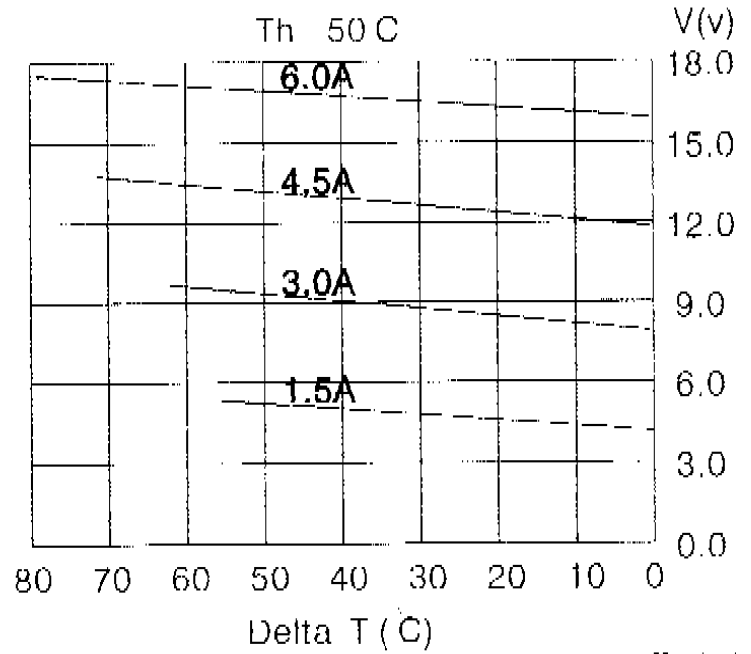


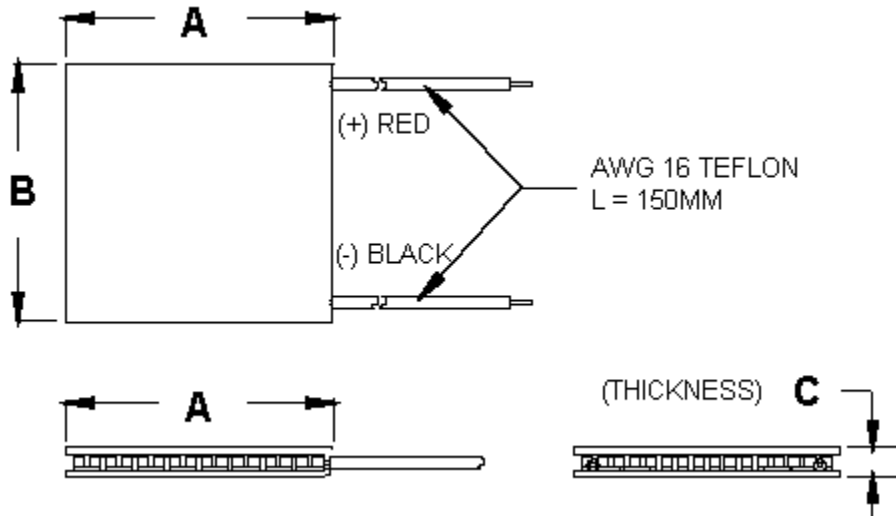
Performance curves on page 2

Th = 25 C



Th 50 C





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
- Failure rate based on long time testings: 0.2%.