



**Performance Specifications**

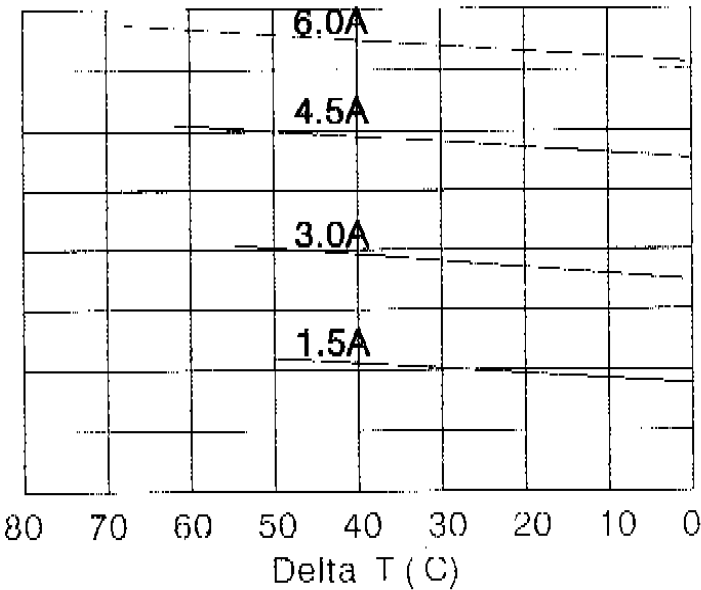
Hot Side Temperature (° C)	25° C	50° C
Qmax (Watts)	50	57
Delta Tmax (° C)	66	75
I <sub>max</sub> (Amps)	6.4	6.4
V <sub>max</sub> (Volts)	14.4	16.4
Module Resistance (Ohms)	1.98	2.30



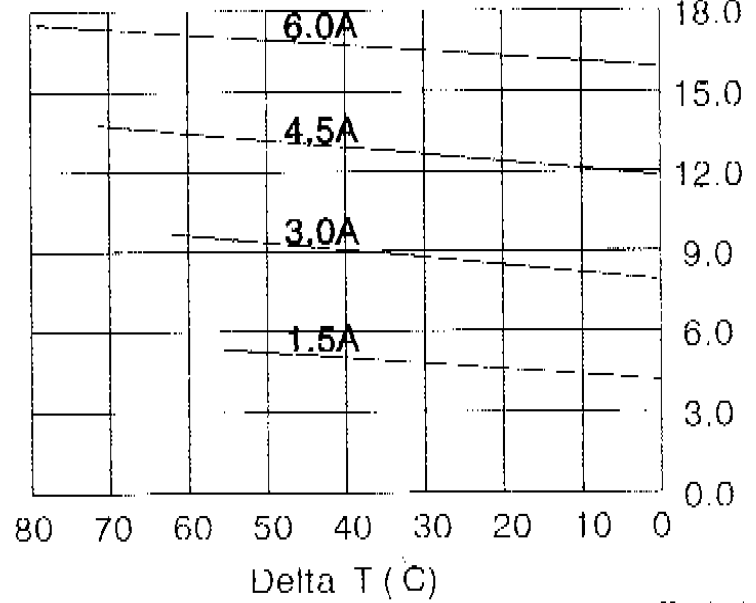


Performance curves:

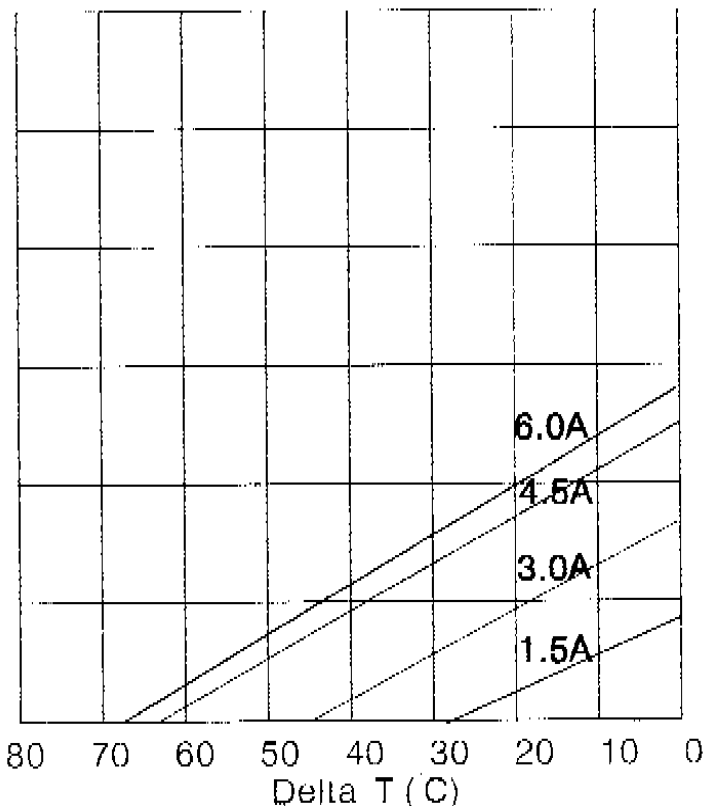
Th = 25 C



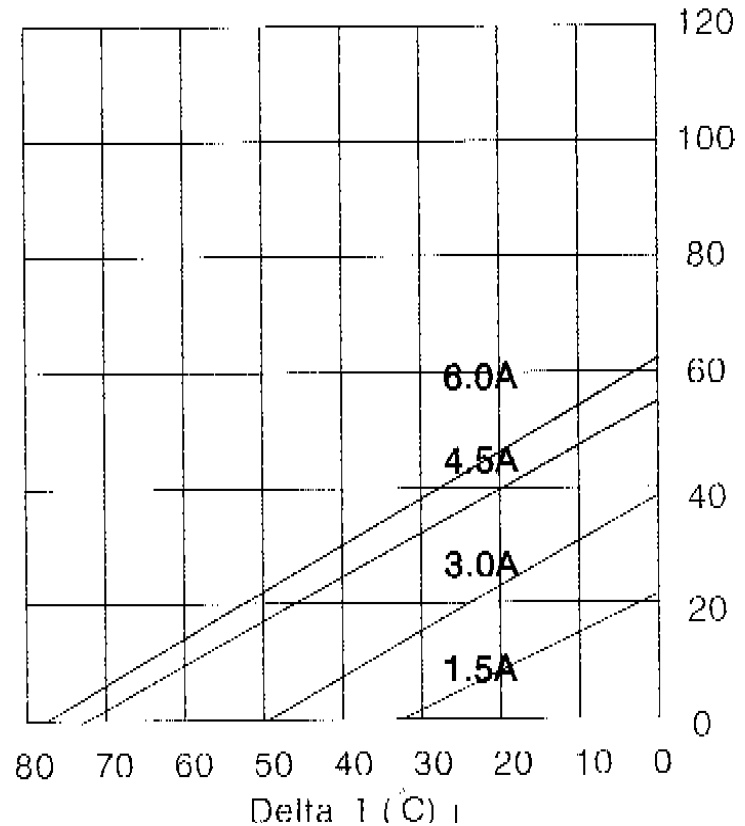
Th = 50 C



Qc(w)

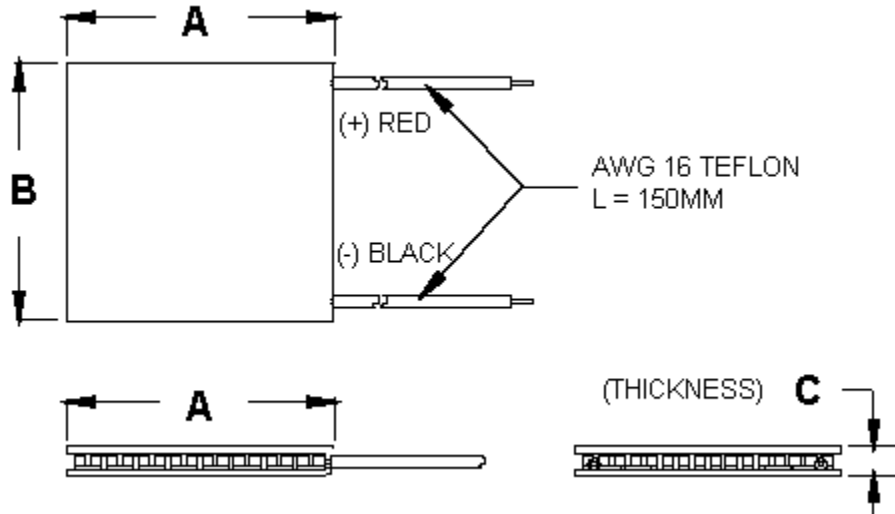


Qc(w)





TEC1-12706



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

**Size table:**

A	B	C			
40	40	3.9			

**Operating Tips**

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