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elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

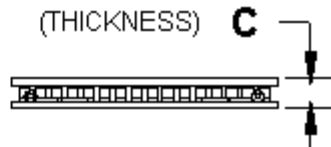
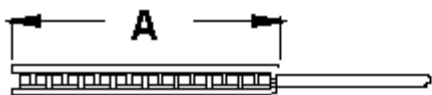
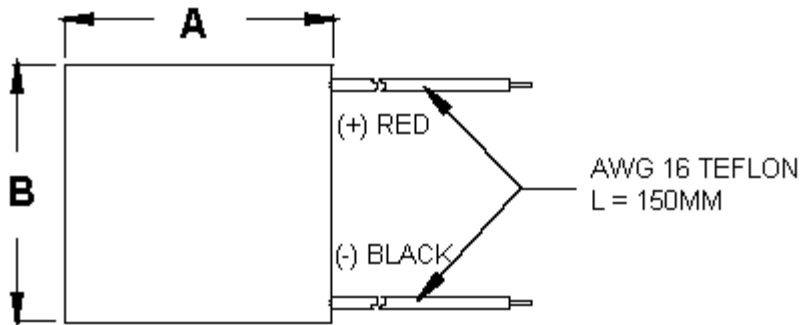
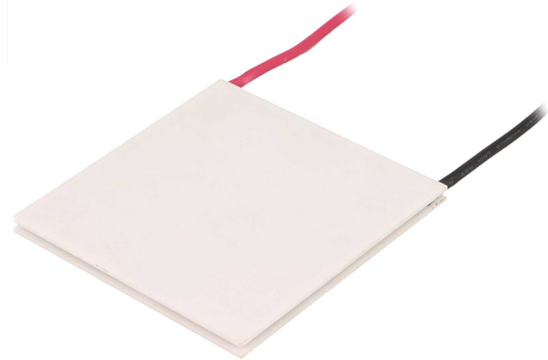
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# Thermoelectric Cooler

**TEC1-12730**

## 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



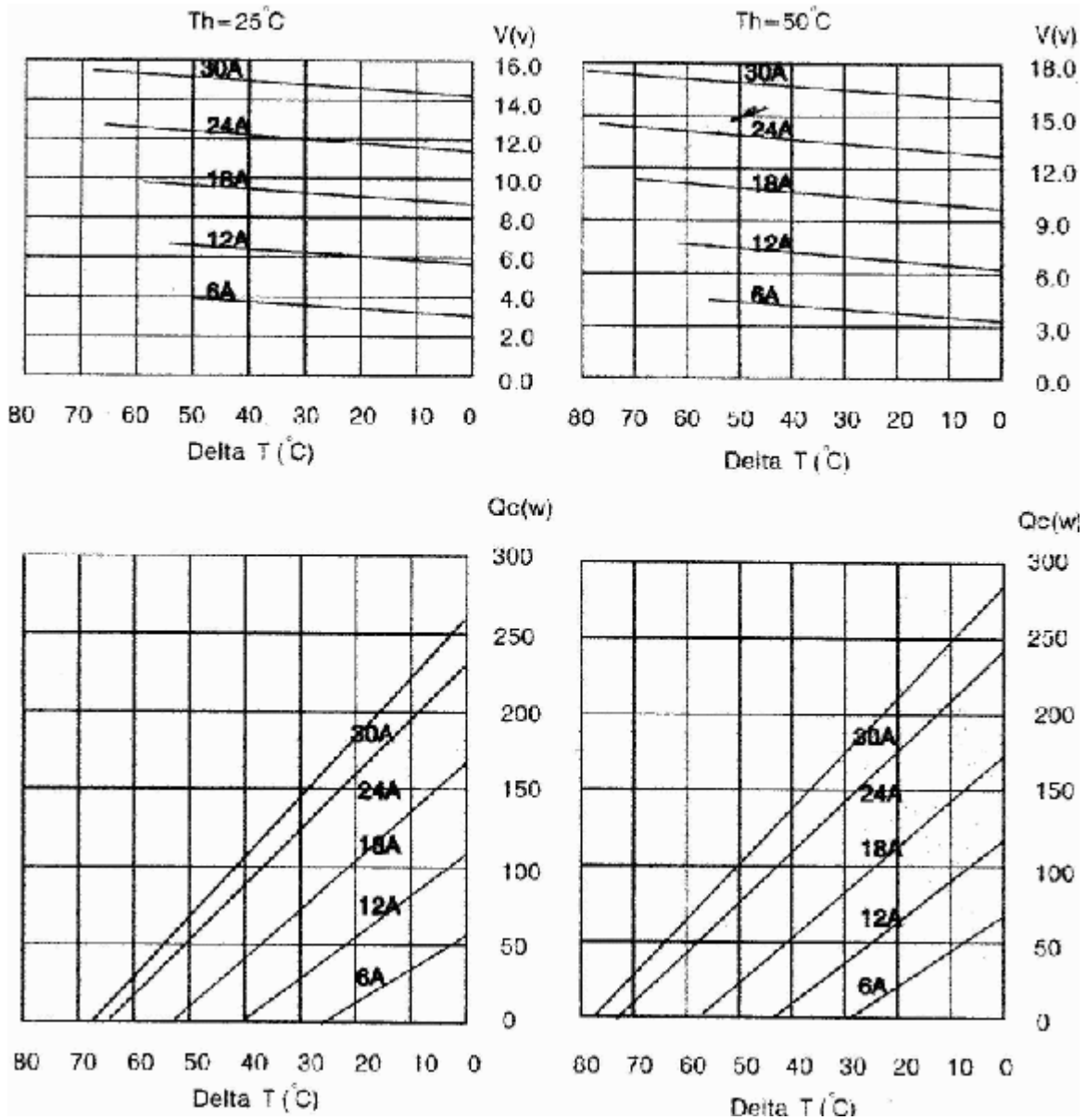
Ceramic Material: Alumina (Al<sub>2</sub>O<sub>3</sub>)  
Solder Construction: 138°C, Bismuth Tin (BiSn)

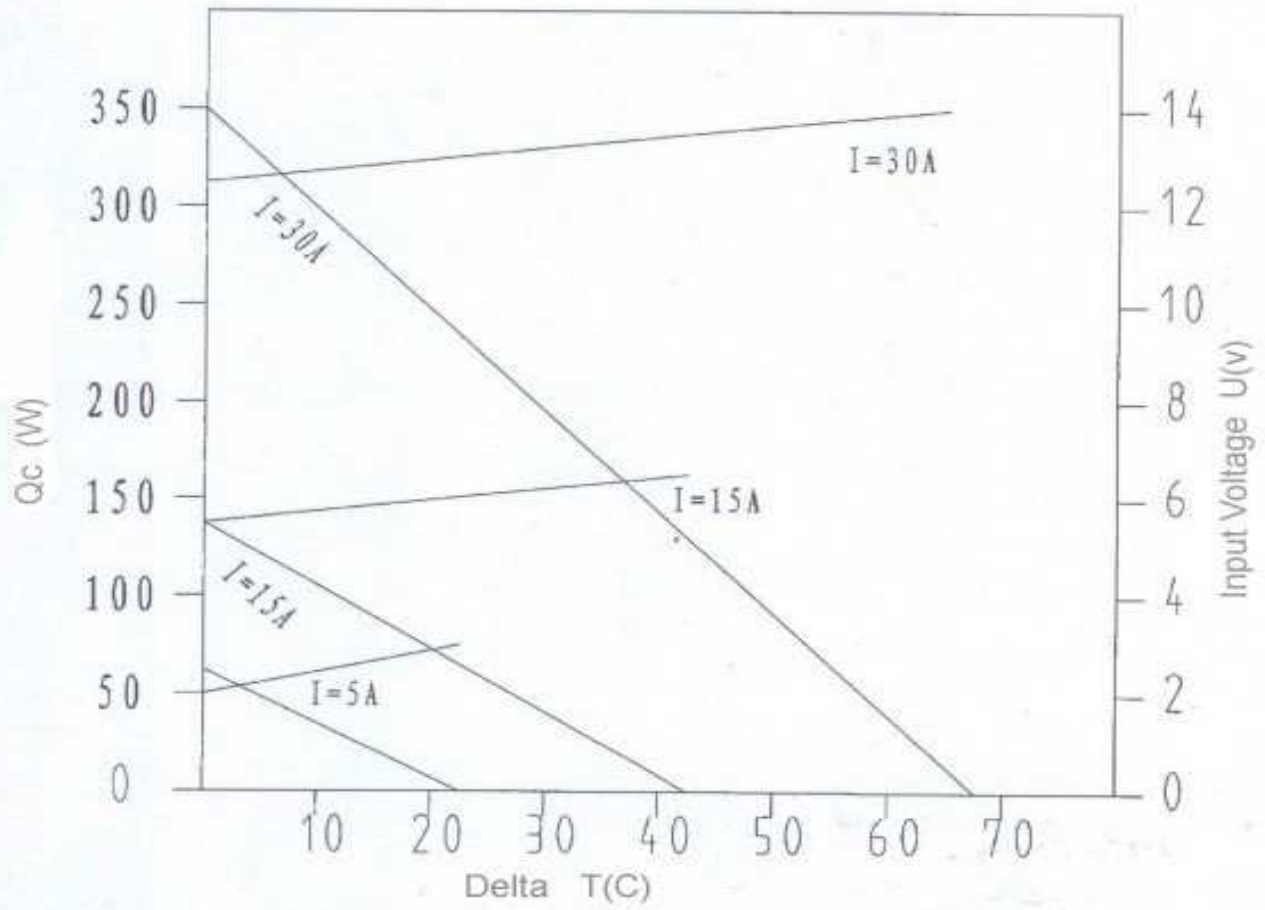
## Size table:

A	B	C
62	62	3.9

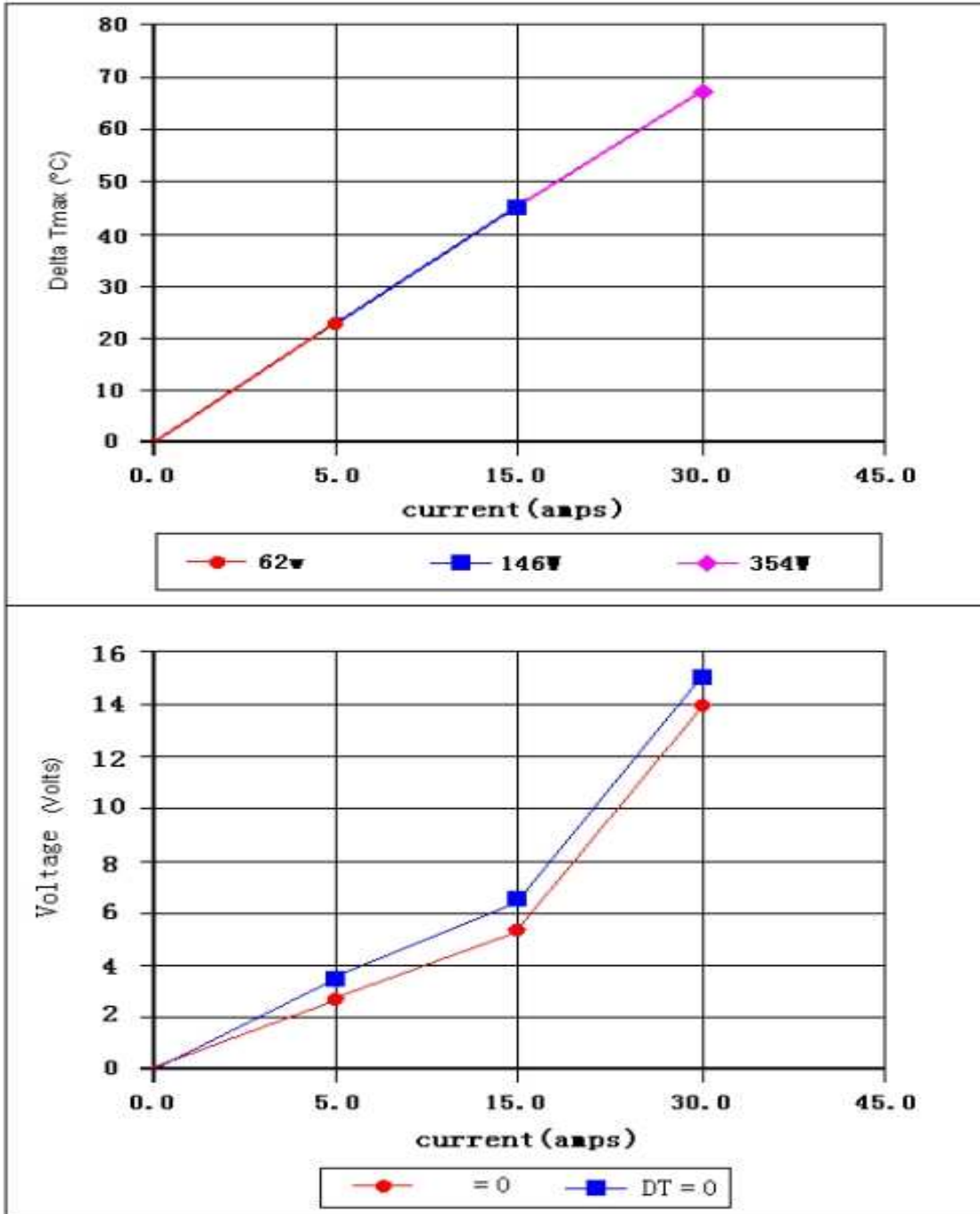
## Operating Tips

- Max. Operating Temperature: 138°C
- Do not exceed I<sub>max</sub> or V<sub>max</sub> when operating module.
- Life expectancy: 200,000 hours
- Failure rate based on long time testings: 0.2%.





62X62 12730 Input Output Characteristic



Hot-side temperature of 25°C