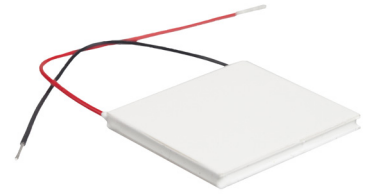
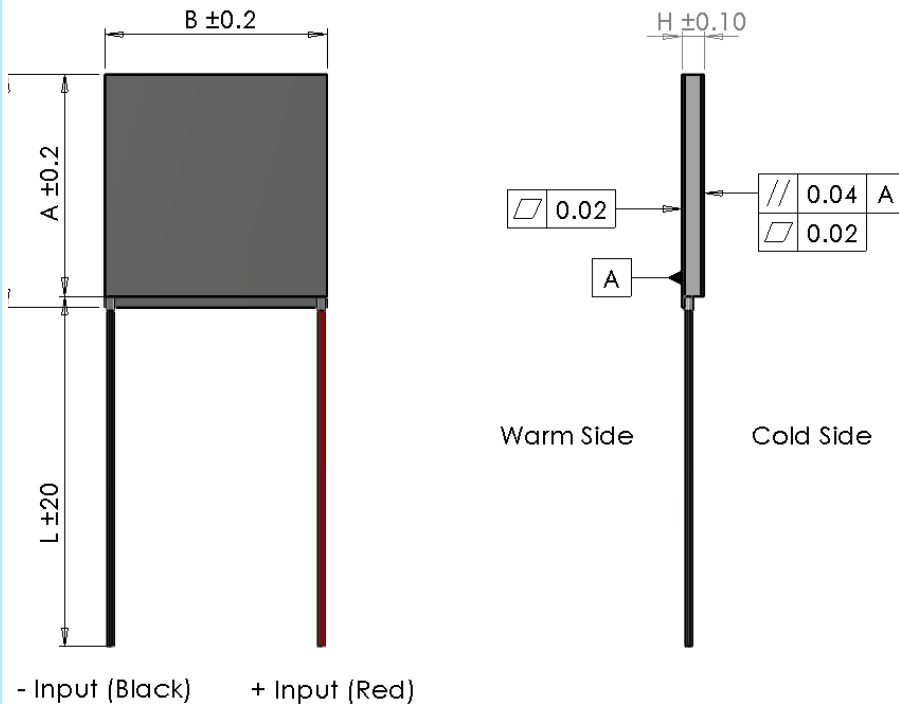


# TECI-12715L-S

## Peltier Cooler Module



Silicone Sealed Module

15.4V, 50x50mm, 15Amp

### Features

- ROHS & REACH Compliant
- Precise temperature control
- Solid-state reliability

### Applications

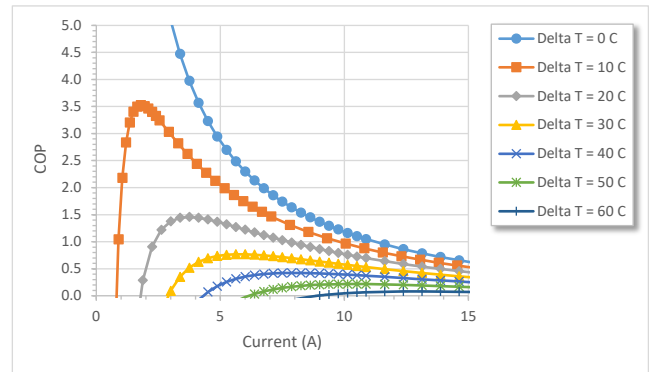
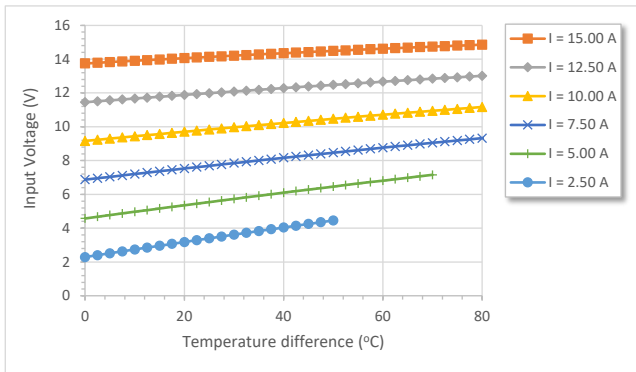
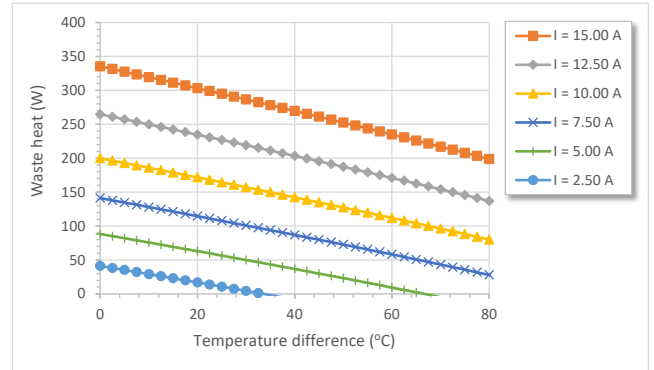
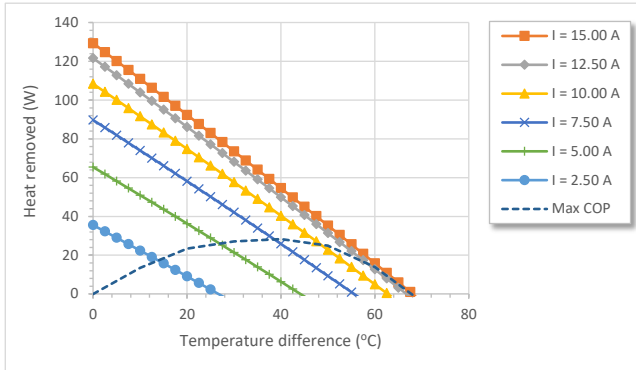
Automotive, Industrial,  
Telecommunications, Medical, Aerospace

Parameters			Remarks
Internal resistance	[Ω]	0.8 Ω ± 10%	Note-1
I <sub>max</sub>	[A]	15	Note-2
V <sub>max</sub>	[V]	15.4	Note-3
A	[mm]	50	
B	[mm]	50	
H	[mm]	3.5	
L	[mm]	100	
Wire	AWG	18/ ULI430	
Solder melting point	138 °C		Note-4
Maximum. compress.	98 N/cm <sup>2</sup> (10 kgf/cm <sup>2</sup> )		Note-5
Operating Point			
	Th=27 °C	Th=50 °C	
Q <sub>c</sub> max	130 W	145 W	Note-6
ΔT <sub>max</sub>	68 K	75 K	Note-7

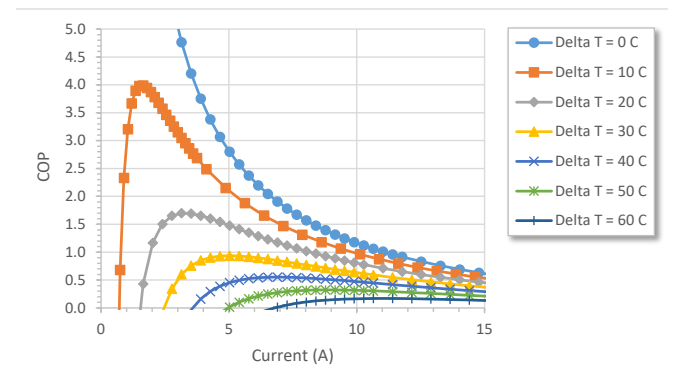
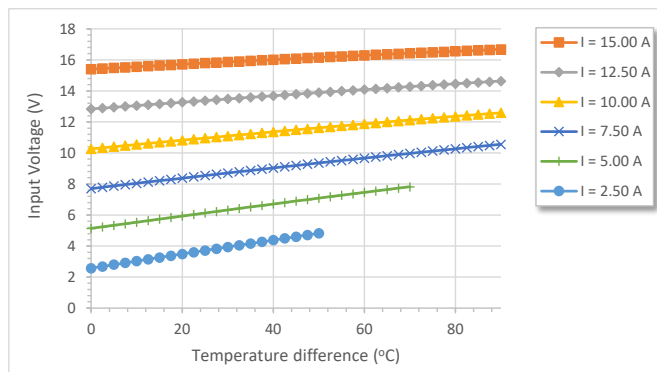
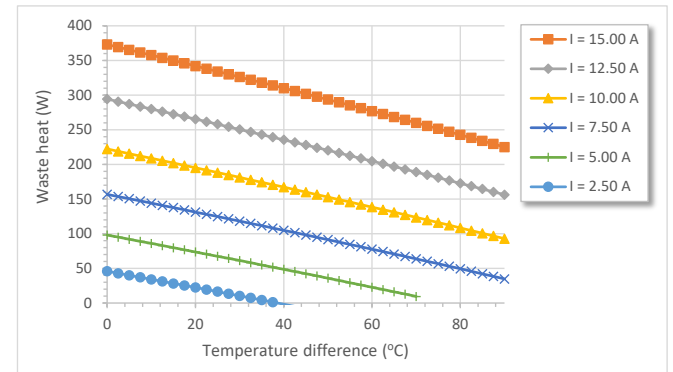
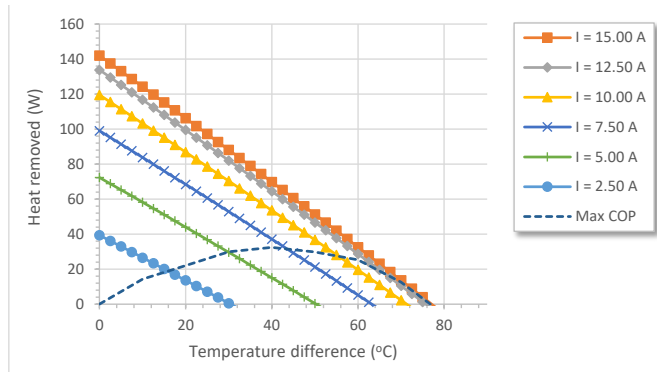
- **Note-1** Measured by AC 4-terminal method at 25 °C
- **Note-2** Maximum current at ΔT<sub>max</sub>.
- **Note-3** Maximum voltage at ΔT<sub>max</sub>.
- **Note-4** The solder melting point of thermoelectric module
- **Note-5** Recommended maximum compression (not destruction limit)(Maximum parameters are measured in a vacuum 1.3P)
- **Note-6** Maximum cooling capacity at I<sub>max</sub>.,V<sub>max</sub>. and ΔT=0 °C.
- **Note-7** Maximum temperature difference at I<sub>max</sub>., V<sub>max</sub>. and Q=0W.

# TECI-12715L-S

## Hot side temperature 27 degrees C



## Hot side temperature 50 degrees C



\*Note - Waste heat = Heat out of hot side

# TECI-12715L-S

## Notes

Do not overheat.

1. Recommended operating temperature:
2. Maximum operating temperature: 90 °C