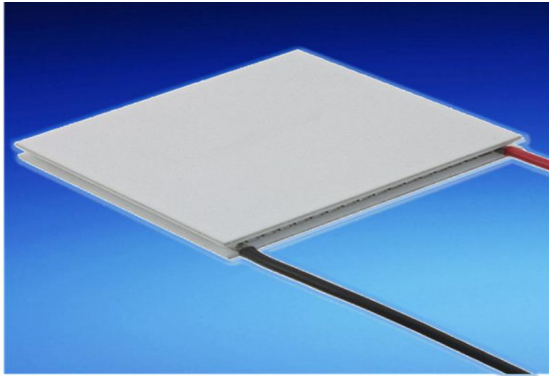


Technical Data Sheet for TEC1-071060-30x30 S W150mm

Single-Stage Thermoelectric Module



PERFORMANCE PARAMETERS

Hot Side Temperature (°C)	25°C	50°C
Q _{max} (watts):	29	32
Δ T _{max} (°C):	67	75
I _{max} (amps):	6.0	6.0
V _{max} (vdc):	8.6	9.1
AC Resistance (ohms):	1.25	1.41

**Tolerances for thermal and electrical parameters are ± 10%.

PRODUCT FEATURES

- Precise temperature control
- Compact geometric sizes and lightweight
- Reliable solid state operation
- No sound or vibration
- Environmentally friendly
- DC operation
- RoHS REACH Compliant

MANUFACTURING SPECIFICATIONS

Sealer	RTV
Ceramic Plate	Blank Ceramics (96% Al ₂ O ₃)
Lead Wires	PVC 20AWG
Lead Wire Length	150 ± 5mm
Solder Construction	138° C
Module Size (mm)	30 ± 0.1, 30 ± 0.1, 30 ± 0.1, 3.6 ± 0.03
Flatness/Parallelism	0.05 / 0.05 mm
Marking	P/N & S/N printed on cold side surface

OPERATION CAUTIONS

- For maximum reliability, storage and operation below 90°C in a non-condensing environment is recommended.
- Do not exceed I_{max} or V_{max} when operating module.
- To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.
- Please consult P&N Technology for moisture and corrosion protection options.

INSTALLATION

For installation assistance, please consult P&N Technology.

P&N reserves the right to make product changes without notice.

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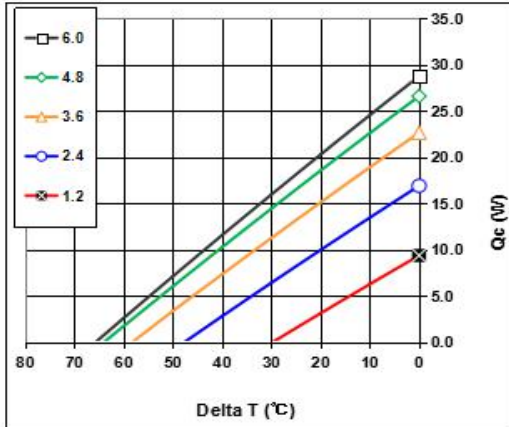
Tel: +49 906 706931-01 Fax: +49 906 706931-09
info@pn-europe.com

www.pn-europe.com

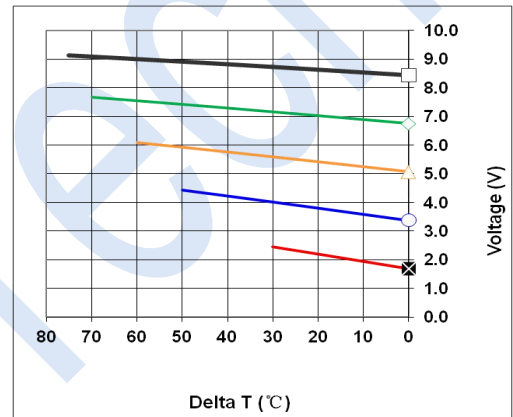
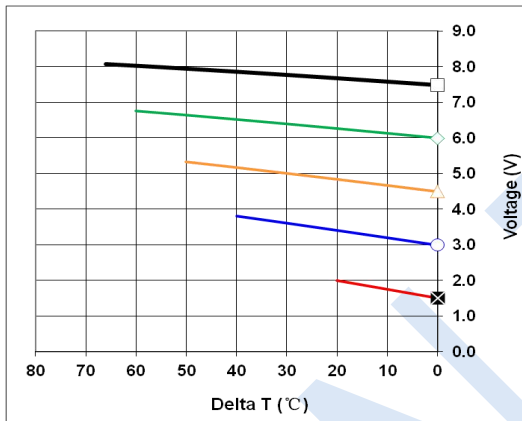
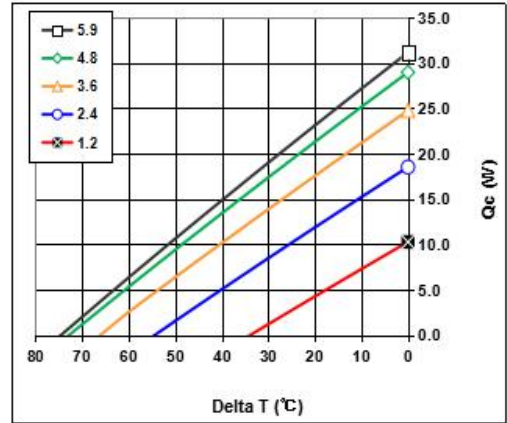
PERFORMANCE CURVES

MECHANICAL DRAWING

Hot Side Temperature 25°C

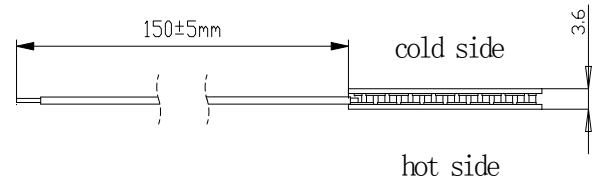
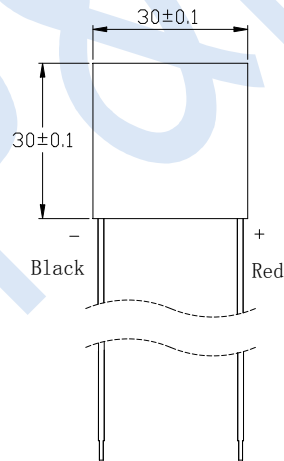


Hot Side Temperature 50°C



Delta T (°C)

Delta T (°C)



**All units are in millimeters unless otherwise stated.

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