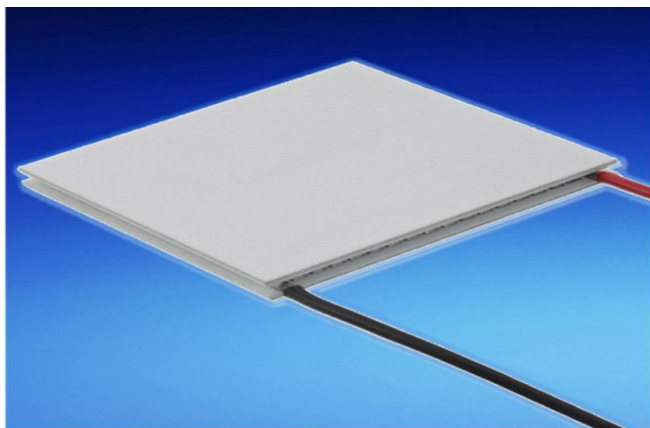




Technical Data Sheet for HP-241060-55x55 S W150mm

REV 01

Single-Stage Thermoelectric Module



PERFORMANCE PARAMETERS

Hot Side Temperature (°C)	25°C	50°C
Q _{max} (watts):	100.3	108.8
Δ T _{max} (°C):	68	75
I _{max} (amps):	6.2	6.1
V _{max} (vdc):	29.2	31
AC Resistance (ohms):	4.10	4.65

**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 22 AWG
Lead Wire Length	150 ± 5mm
Solder Melting Temp	138 ° C
Module Size (mm)	55 ± 0.2, 55 ± 0.2, 4.3 ± 0.03
Flatness/Parallelism	0.03 / 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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P&N Europe GmbH

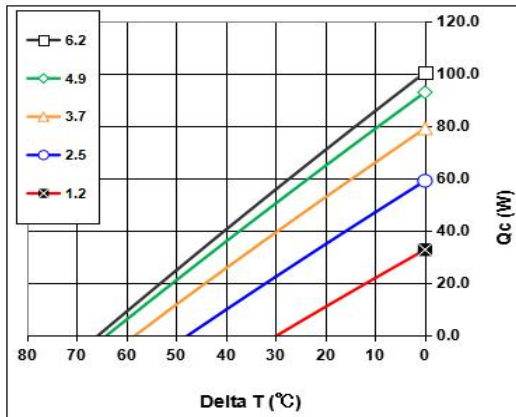
Joseph-Gänsler-Straße 10
86609 Donauwörth, Germany

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info@pn-europe.com

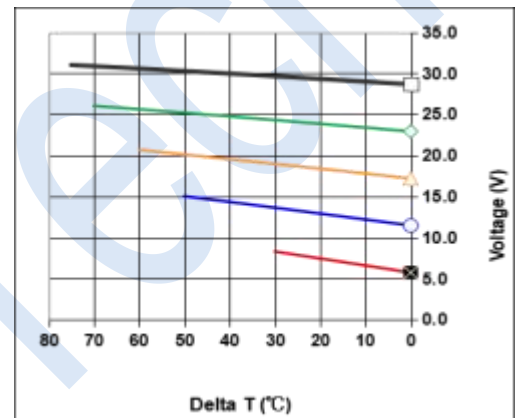
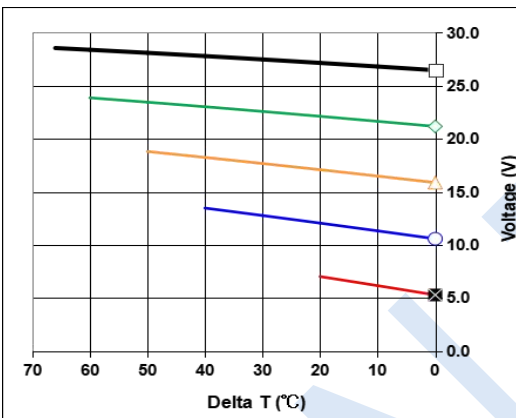
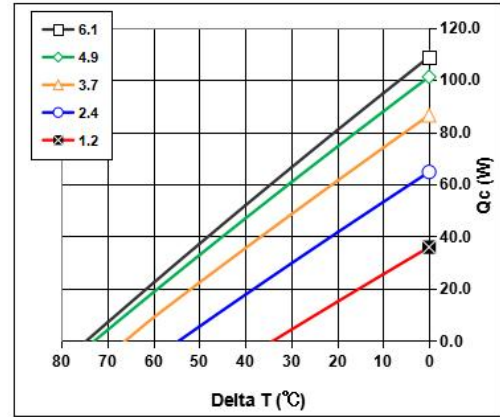
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PERFORMANCE CURVES

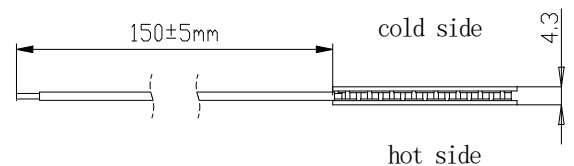
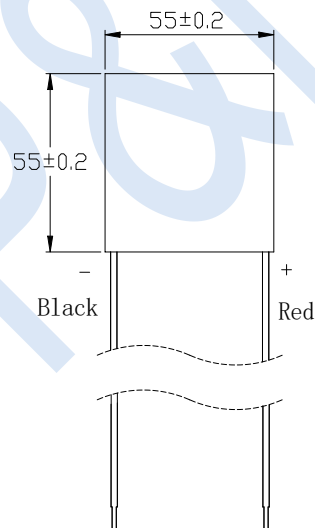
Hot Side Temperature 25°C



Hot Side Temperature 50°C



MECHANICAL DRAWING



**All units are in millimeters unless otherwise stated.

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