

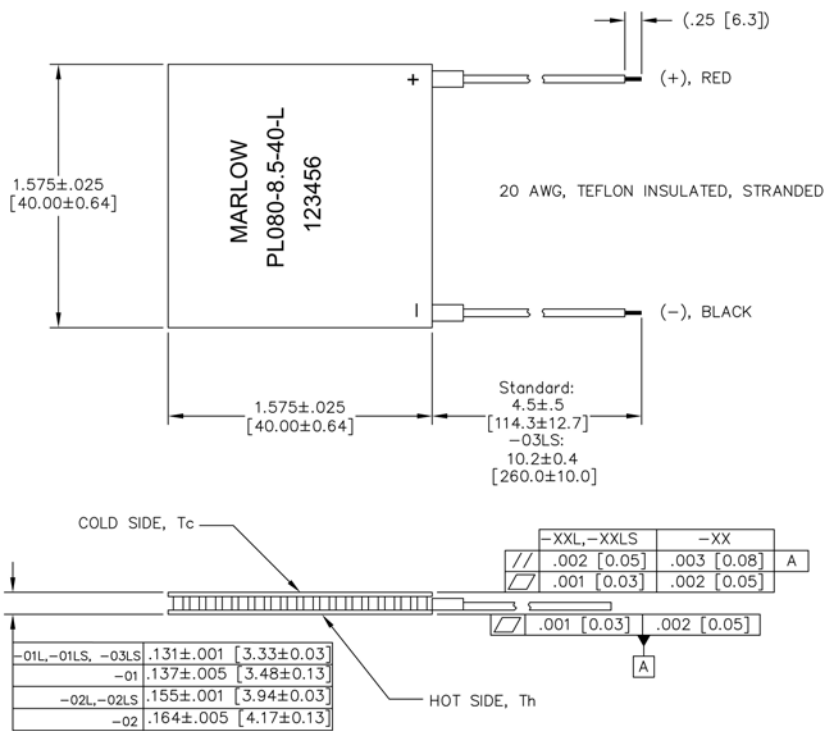
PL080-8.5-40

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	66	74
Qmax (watts):	78	86
I _{max} (amps):	8.5	8.5
V _{max} (vdc):	14.7	16.2
AC Resistance (ohms):	1.45	

MECHANICAL CHARACTERISTICS



ORDERING OPTIONS

Model Number

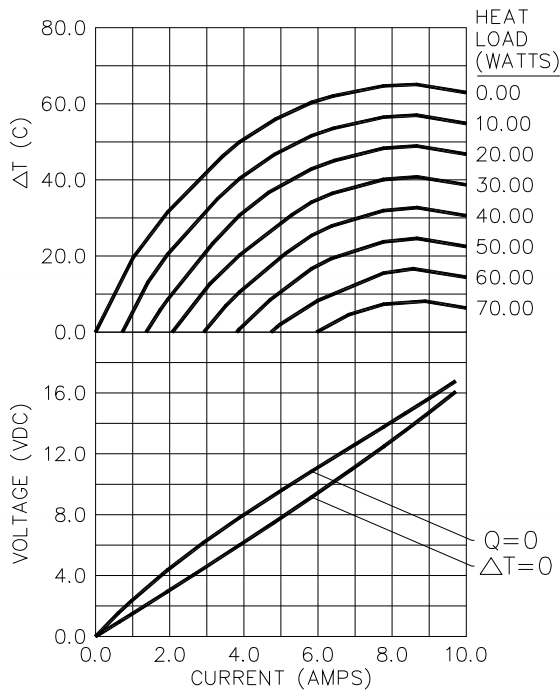
PL080-8.5-40-01	Leadwires
PL080-8.5-40-01L	Leadwires, Lapped.
PL080-8.5-40-01LS	Leadwires, Lapped, Sealed.
PL080-8.5-40-02	Leadwires
PL080-8.5-40-02L	Leadwires, Lapped.
PL080-8.5-40-02LS	Leadwires, Lapped, Sealed.
PL080-8.5-40-03LS	Leadwires, Lapped, Sealed.

PRODUCT FEATURES

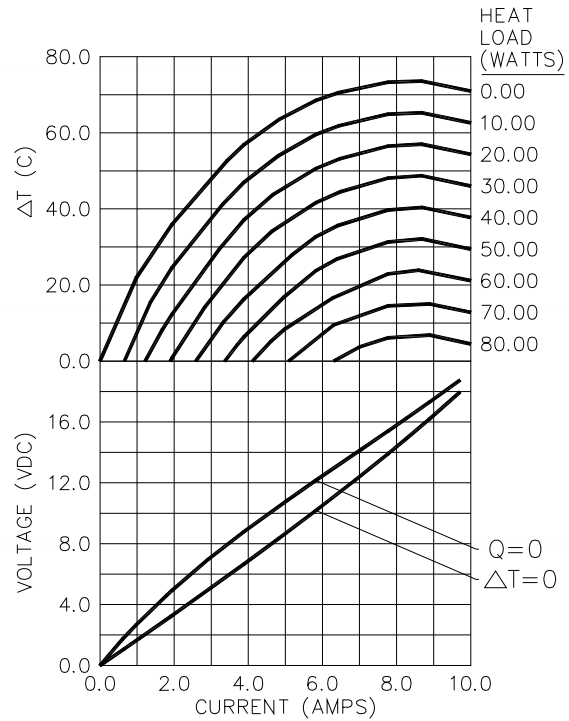
- Rated operating temperature of 130°C.
- Superior nickel diffusion barriers on elements.
- High strength for rugged environment.
- RTV sealing option available.
- Lapped option available for multiple module applications

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C



Hot Side Temperature 50°C



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, consult one of our Applications Engineers.

Installation

Recommended mounting methods: Clamp with uniform pressure to a flat surface with thermal interface. For additional information, please refer to our TEC installation Guide.

Operation Cautions

For maximum reliability, storage and operation below 85°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

CONTACT US:

For customer support or general questions please contact a local office below or consult our website for distributor information.

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