

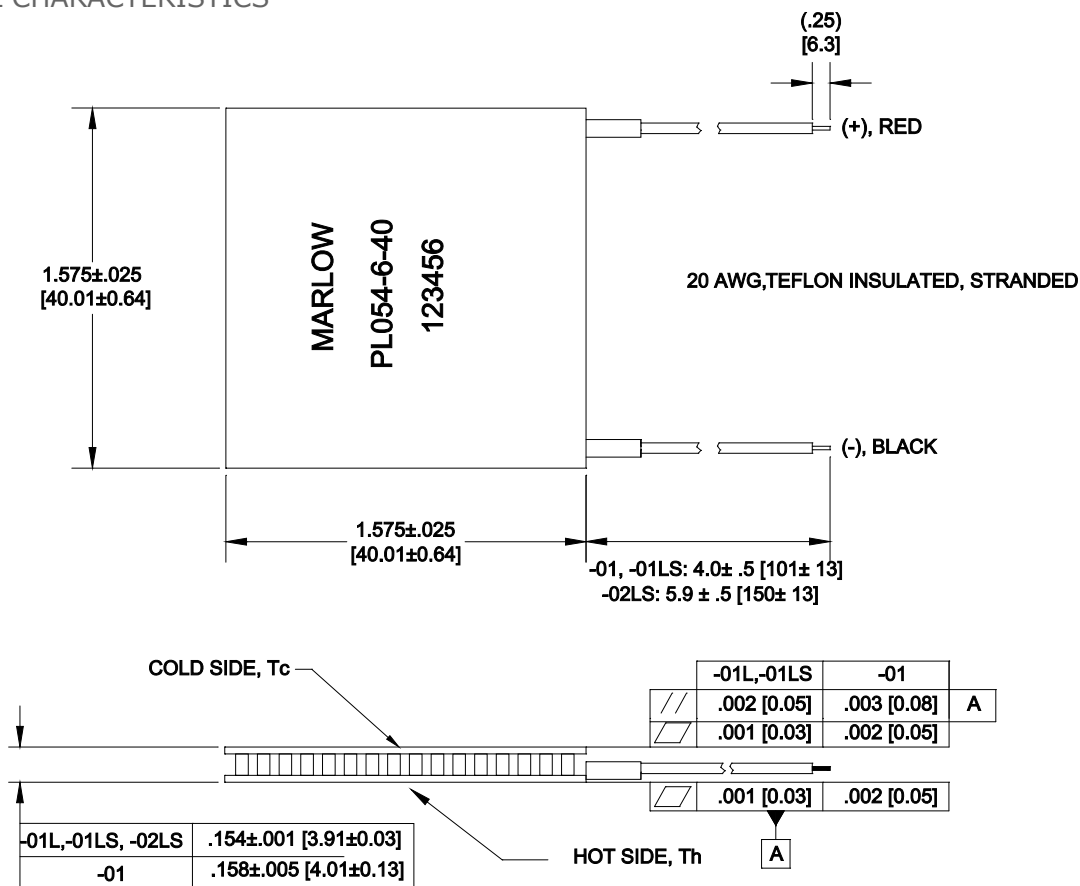
PL054-6-40

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	66	76
Q _{max} (watts):	54	59
I _{max} (amps):	6.0	5.9
V _{max} (vdc):	14.7	16.4
AC Resistance (ohms):	2.24	---

MECHANICAL CHARACTERISTICS



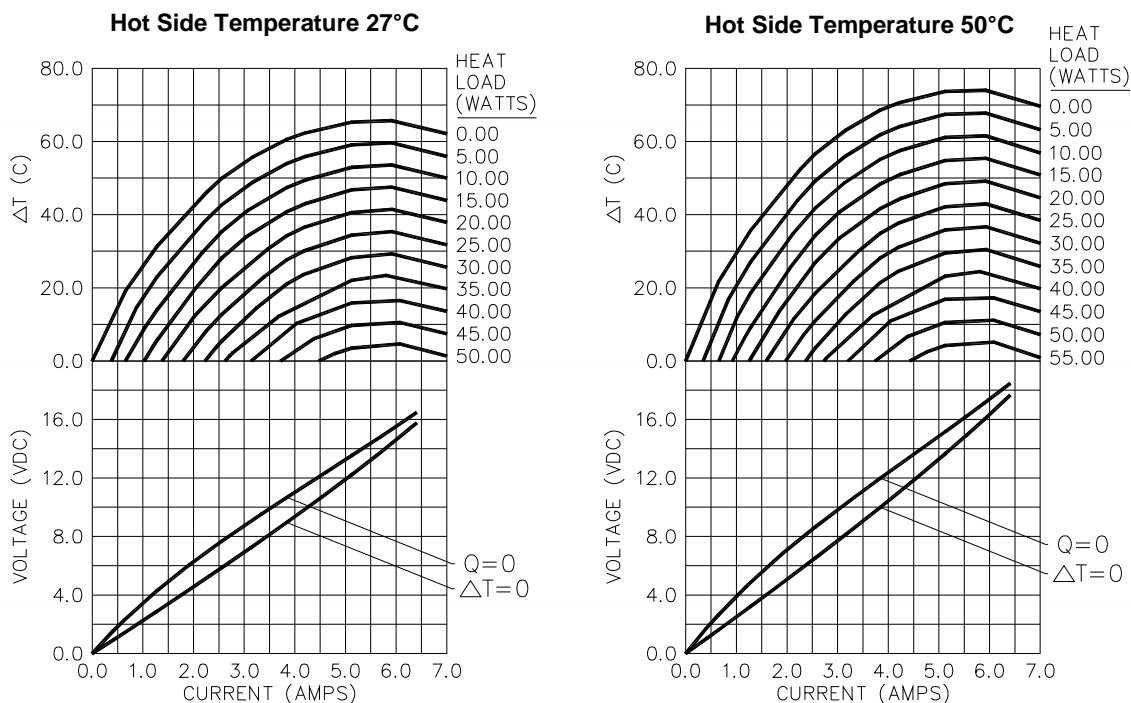
ORDERING OPTIONS

Model Number	Description
PL054-6-40-01	Leadwires
PL054-6-40-01L	Leadwires, Lapped.
PL054-6-40-01LS	Leadwires, Lapped, Sealed.
PL054-6-40-02LS	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



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

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 visit our website at www.marlow.com.

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