

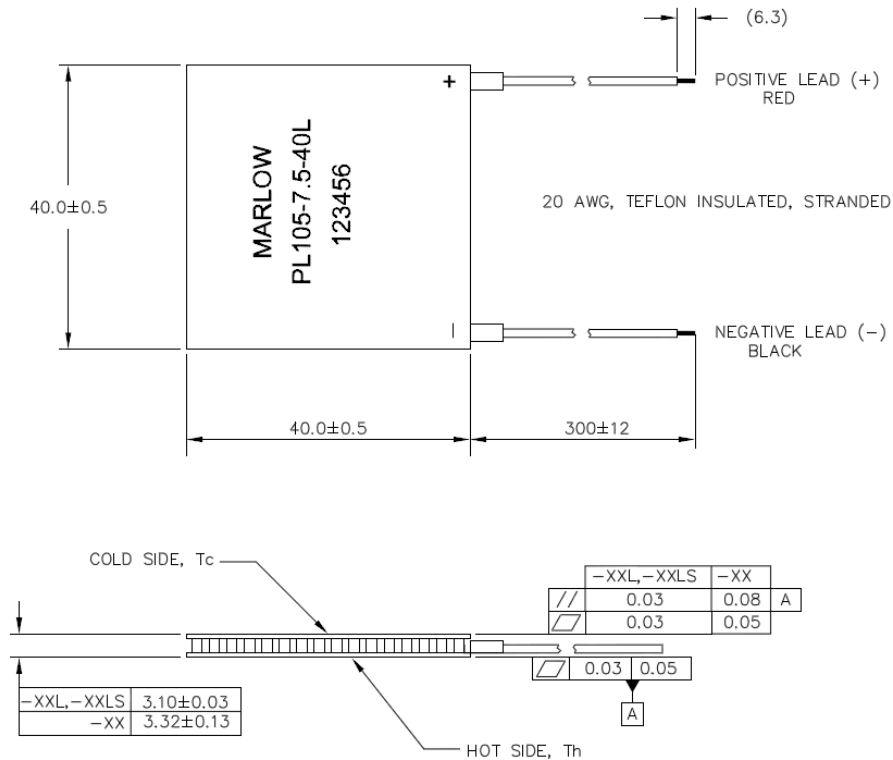
PL105-7.5-40

Single-Stage Thermoelectric Module
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27	50
ΔT_{max} (°C-dry N ₂):	60	68
Q _{max} (watts):	105	116
I _{max} (amps):	7.6	7.5
V _{max} (vdc):	21.2	23.5
AC Resistance (ohms):	2.3	

MECHANICAL CHARACTERISTICS



ORDERING OPTIONS

Model Number	Description
PL105-7.5-40-01	Leadwires
PL105-7.5-40-01L	Leadwires, Lapped
PL105-7.5-40-01S	Leadwires, Sealed
PL105-7.5-40-01LS	Leadwires, Lapped, Sealed

PRODUCT FEATURES

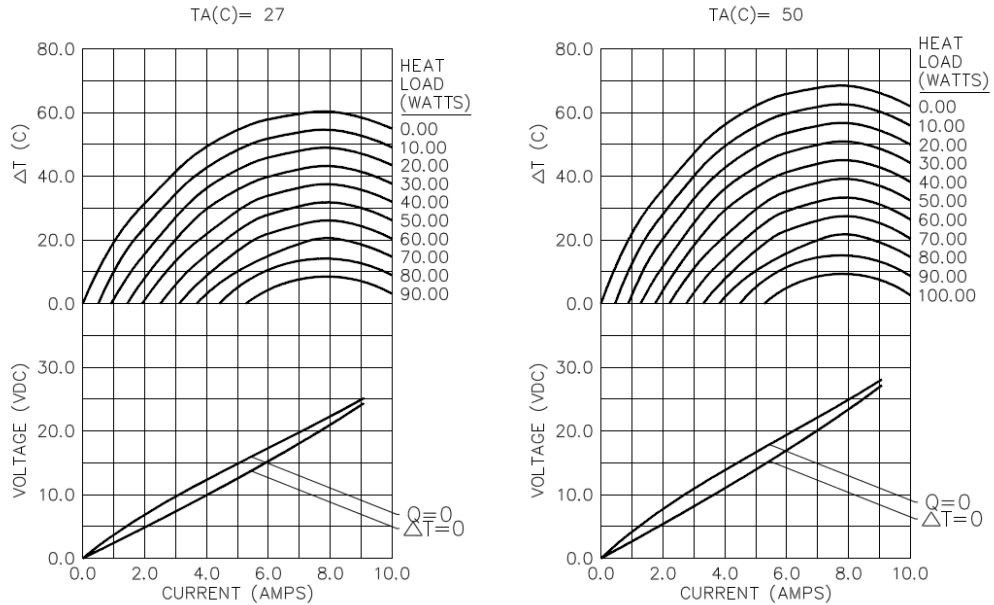
- Rated operating temperature 160°C for short periods, 130°C extended operation
- Superior nickel diffusion barriers on elements
- High strength for rugged environment
- RTV sealing option available
- Lapped option available for multiple module applications

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C

Hot Side Temperature 50°C

TYPICAL PERFORMANCE CURVES
NITROGEN (1 ATM)



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 method: Clamp with uniform pressure to a flat surface with thermal interface material. 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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