

Technical Data Sheet for SP2791

Single-Stage Thermoelectric Module

PRODUCT FEATURES

- RoHS and REACH EU Compliant.
- Rated operating temperature of 85°C.
- Ceramic Material: Aluminum Oxide.

NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	50
ΔT_{\max} (°C):	62	69
Q _{max} (watts):	10.3	11.2
I _{max} (amps):	2.3	2.3
V _{max} (vdc):	6.8	7.6
AC Resistance (ohms):	2.27	--

ORDERING OPTIONS

Model Number	Description
SP2791-03AC	Leadwires, Sealed, Lapped

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.

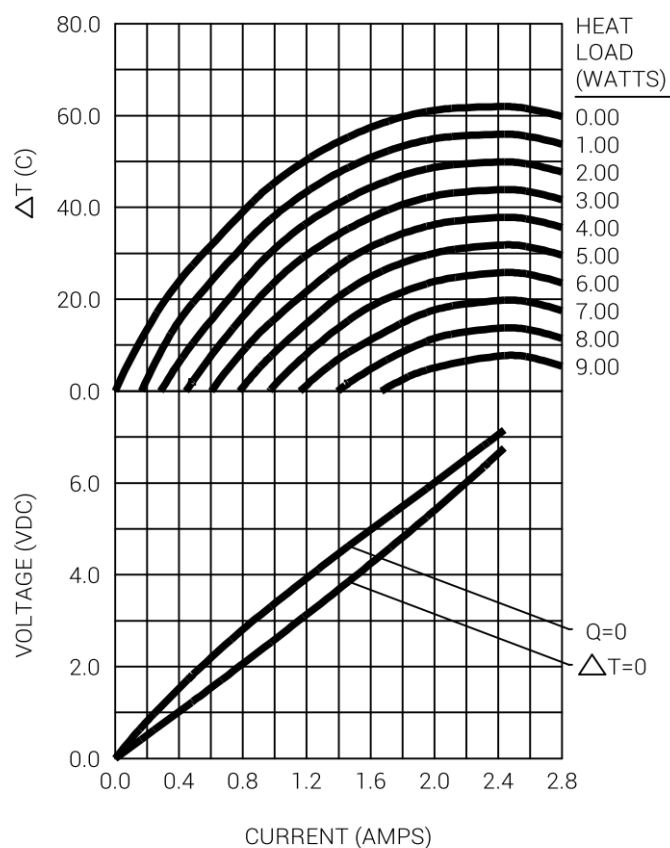
INSTALLATION

Recommended mounting method: Clamp with uniform pressure to a flat surface with thermal interface material. For additional information, please refer to our TEM Installation Guide.

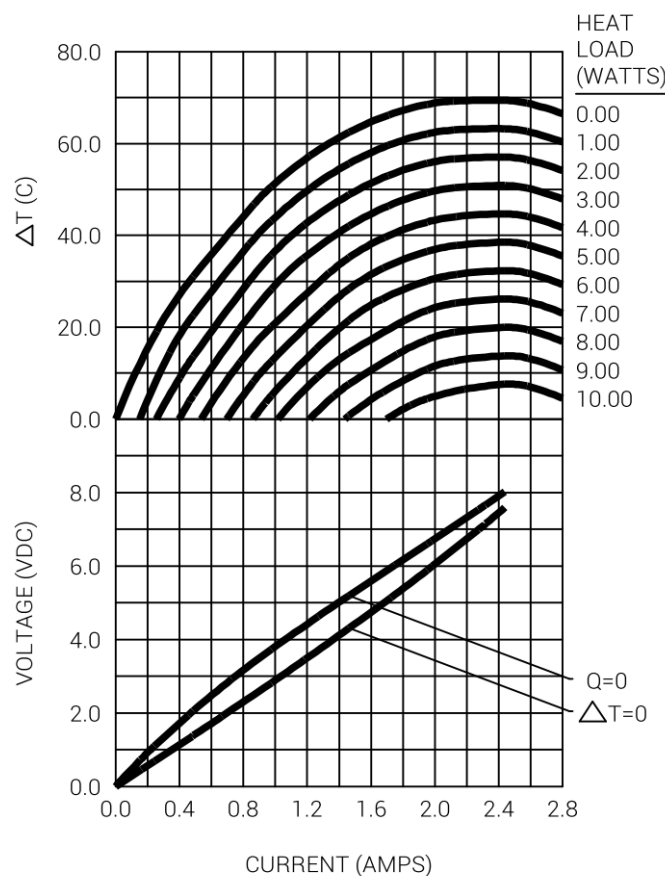
TYPICAL PERFORMANCE CURVES

THERMOELECTRIC COOLING PERFORMANCE CURVES ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C

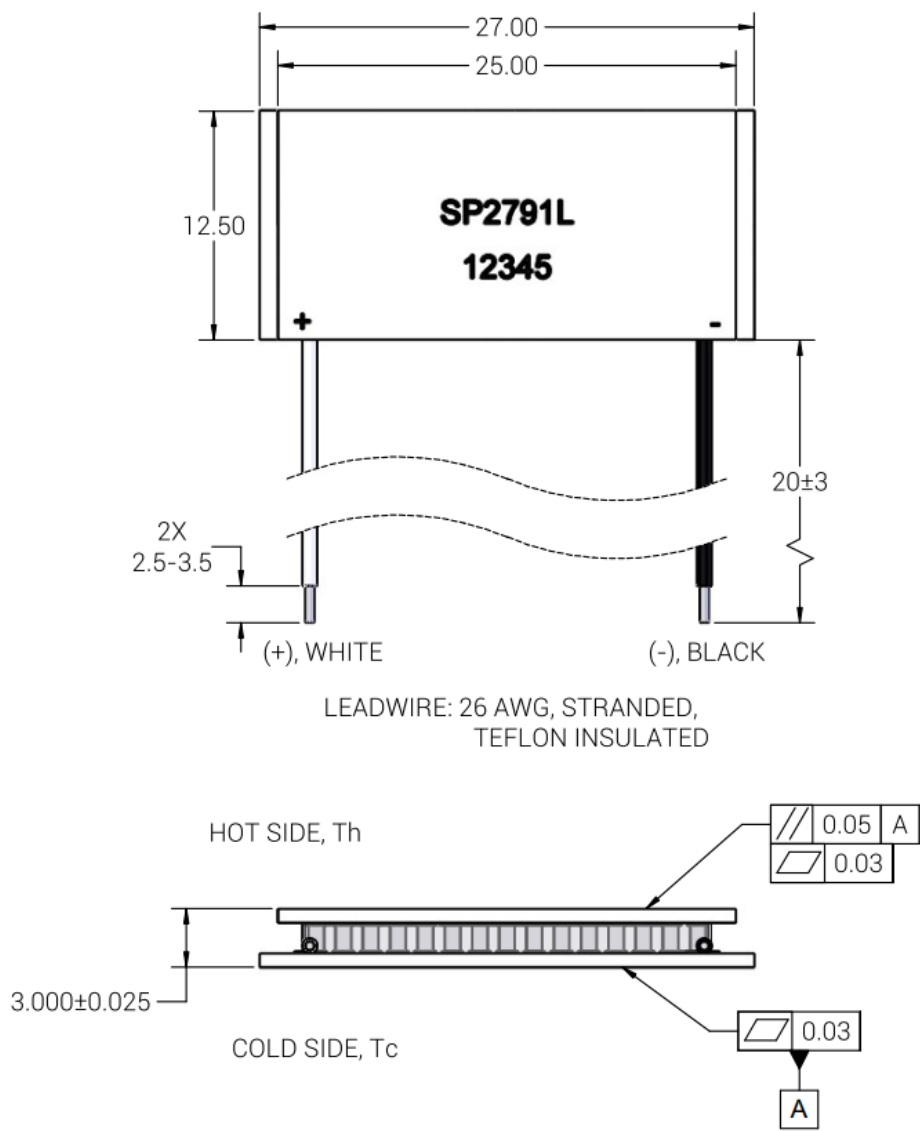


Hot Side Temperature 50°C



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

MECHANICAL CHARACTERISTICS



All units are in millimeters unless otherwise stated.

For customer support or general questions please contact a local office or visit our website at www.marlow.com.
Marlow reserves the right to make product changes without notice.