



marlow industries, inc.®
Subsidiary of II-VI INCORPORATED

TECHNICAL DATA SHEET

TRITON ICE SERIES

TR060-6.5-40

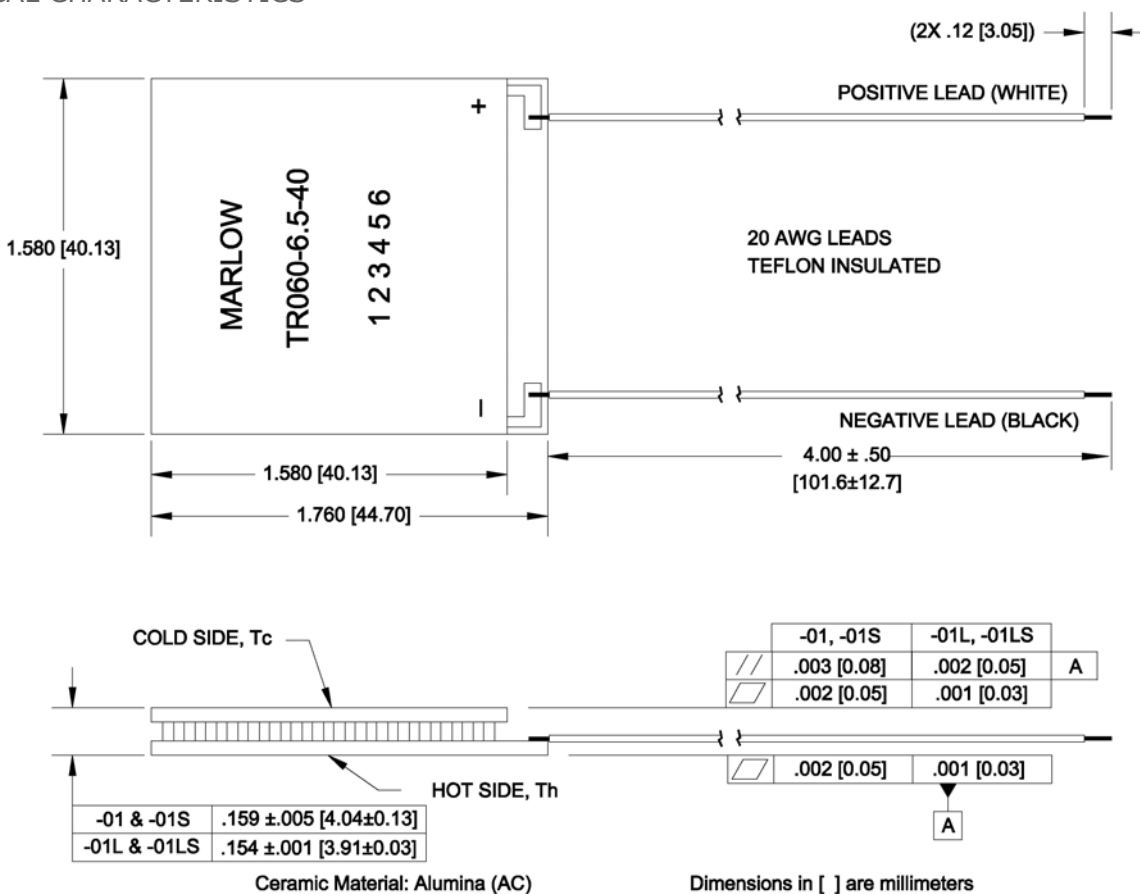
Single-Stage Thermoelectric Cooler
RoHS 2002/95/EC Compliant



PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	76	86
Qmax (watts):	60	65
I _{max} (amps):	6.5	6.5
V _{max} (vdc):	16.4	18.6
AC Resistance (ohms):	2.2	---

MECHANICAL CHARACTERISTICS



ORDERING OPTIONS

Model Number	Description
TR060-6.5-40-01	Leadwires
TR060-6.5-40-01L	Leadwires, Lapped
TR060-6.5-40-01S	Leadwires, Sealed
TR060-6.5-40-01LS	Leadwires, Lapped, Sealed

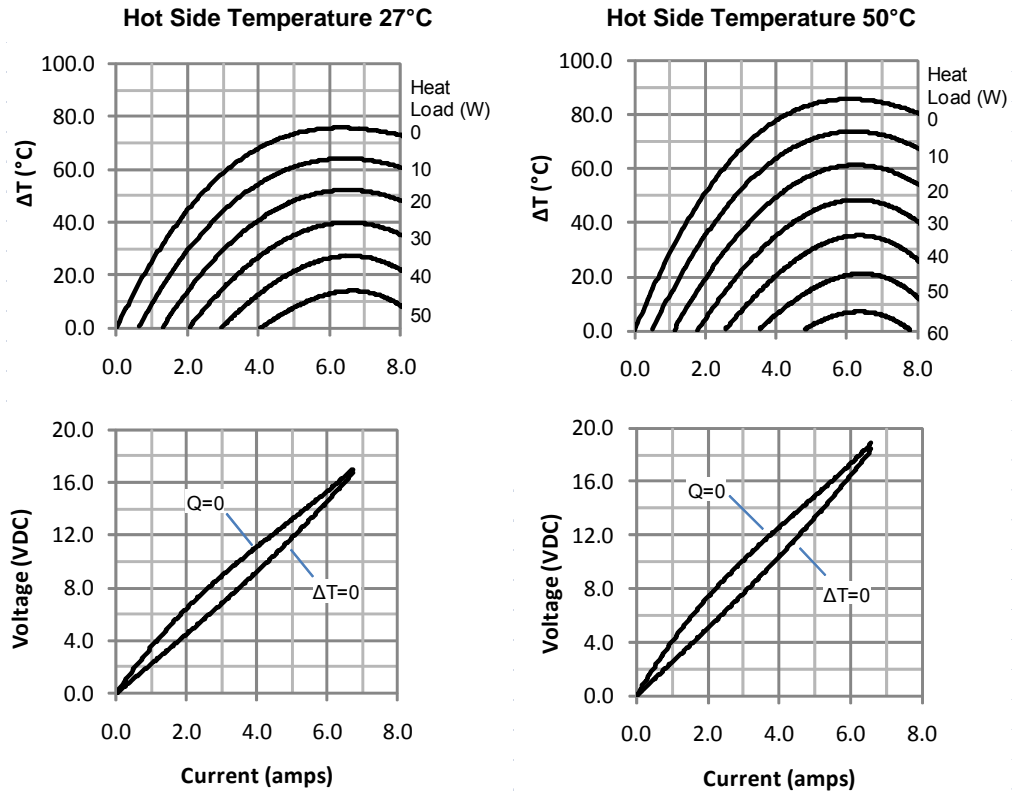
STANDARD FEATURES

Solid-state reliability.
Built with high temperature solder with the ability to withstand higher assembly processing temperatures for short periods of time (<160°C).
Designed for rugged environment.

AVAILABLE OPTIONS

Perimeter sealing
Lapped for multiple module applications.
Custom leadwires

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



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: Bonding with thermal epoxy. 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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