



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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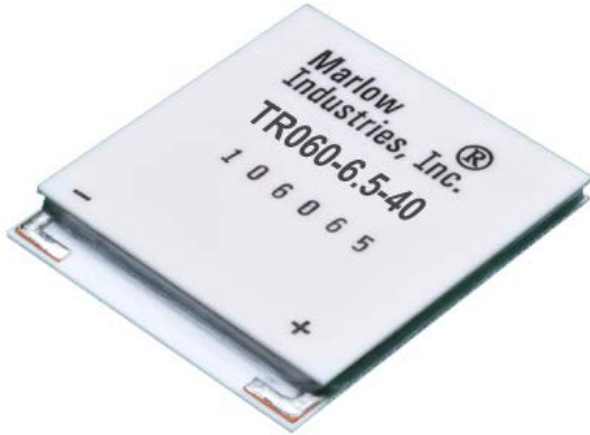
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Technical Data Sheet for TR060-6.5

Single-Stage Thermoelectric Module TRITON ICE™ SERIES



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	50
ΔT_{max} (°C):	76	86
Q _{max} (watts):	61	66
I _{max} (amps):	6.5	6.5
V _{max} (vdc):	15.8	17.8
AC Resistance (ohms):	2.1	---

PRODUCT FEATURES

- RoHS EU Compliant
- Rated operating temperature of 130°C.
- Ceramic Material: Aluminum Oxide
- Designed for temperature cycling applications.
- Porch configuration for high strength leadwire connection.
- Superior nickel diffusion barriers on elements.
- High strength for rugged environment.
- RTV sealing option available.
- Lapped option available for multiple module applications.

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
TR060-6.5-40-03LS	Leadwires, Lapped, Sealed, Sealed
TR060-6.5-40-04LS	Leadwire Joints, Hi-Pot Tested
TR060-6.5-40-04LS	Leadwires 120mm, Lapped, Sealed

OPERATION CAUTIONS

For maximum reliability, storage and operation below 130°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 TEC Installation Guide.

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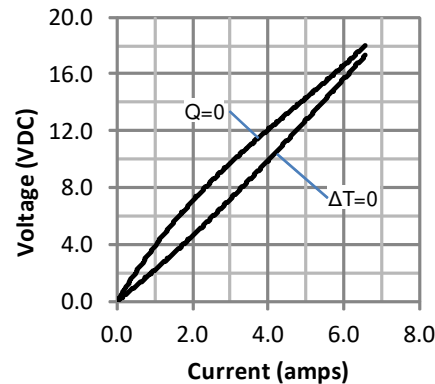
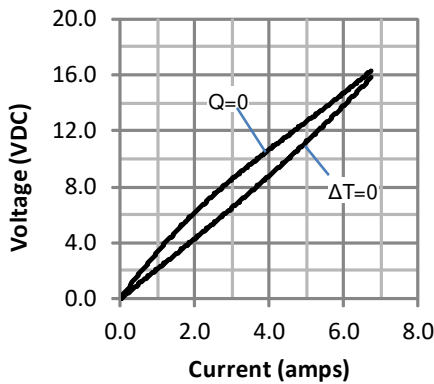
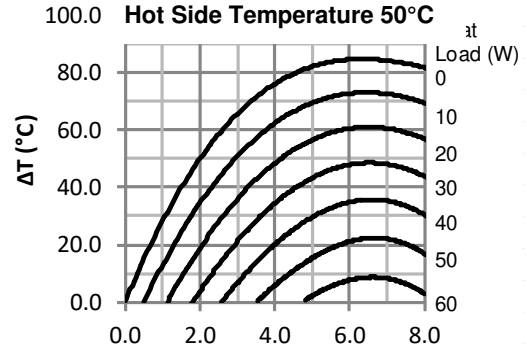
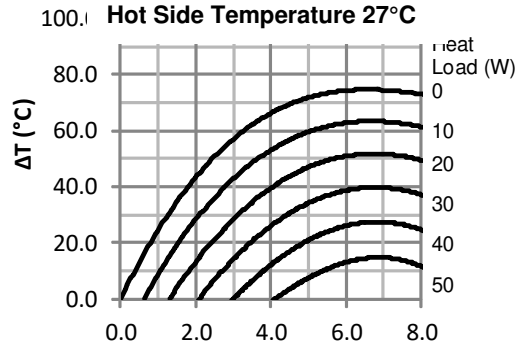
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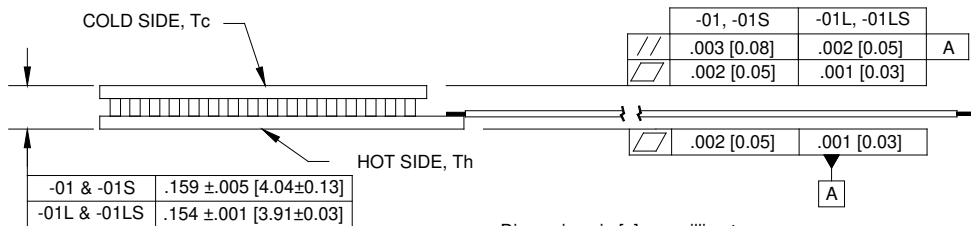
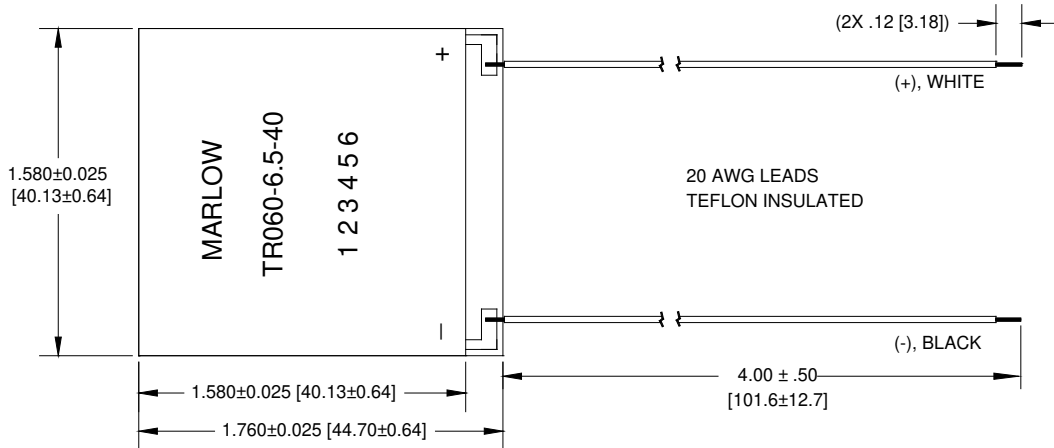
TYPICAL PERFORMANCE CURVES

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.

MECHANICAL CHARACTERISTICS

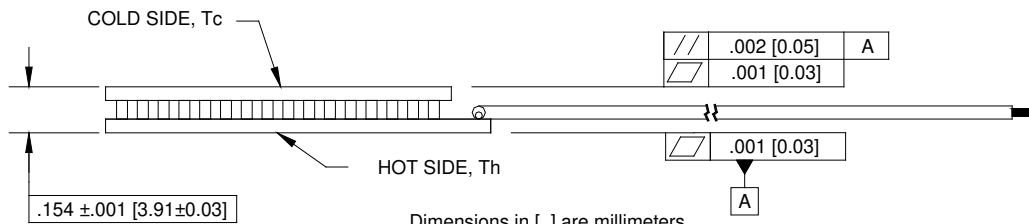
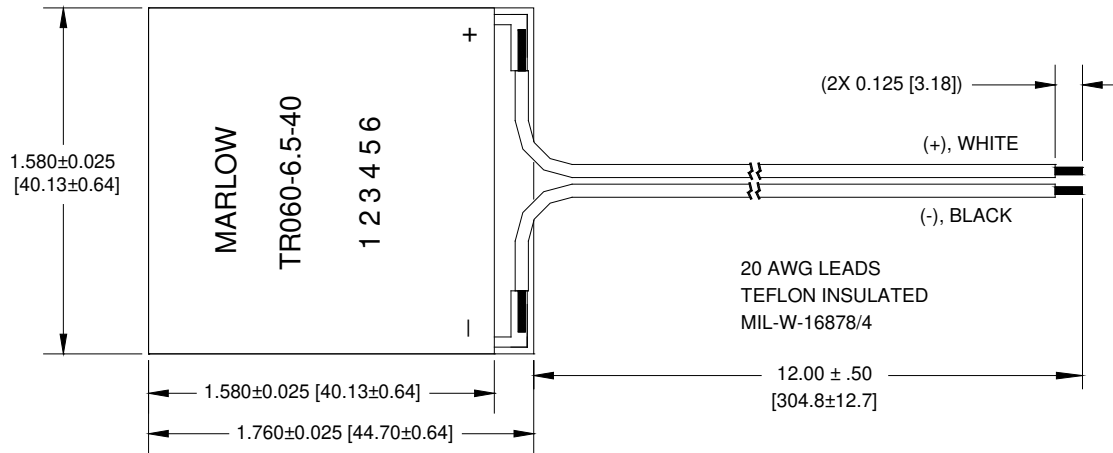


-01, -01L, -01S, -01LS

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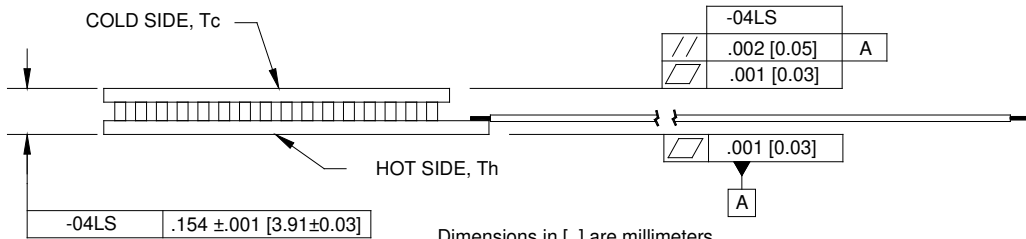
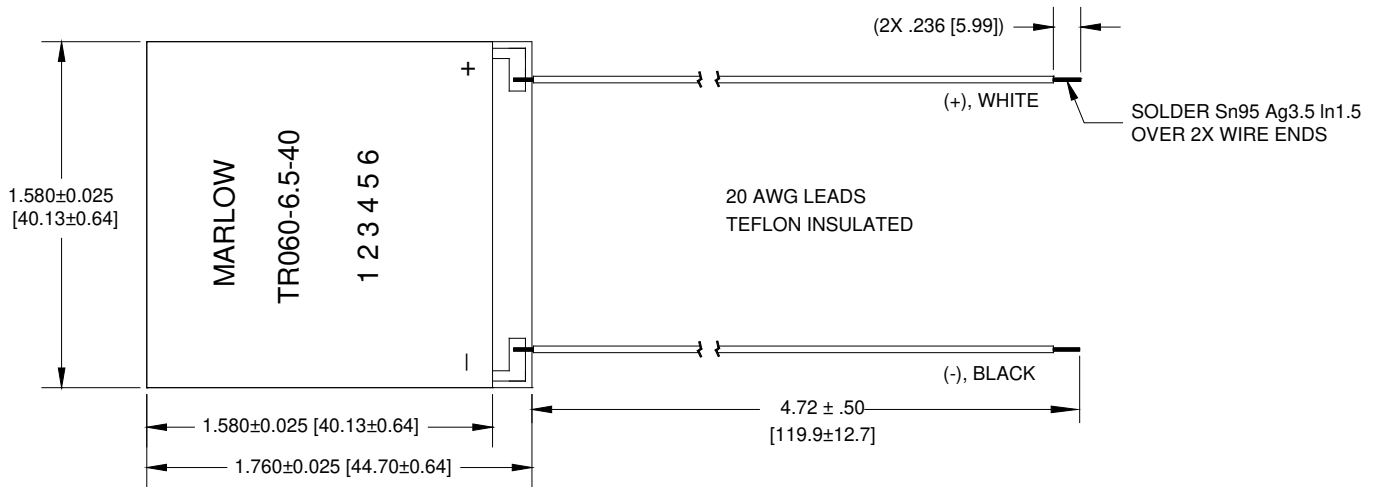


MECHANICAL CHARACTERISTICS



Dimensions in [] are millimeters

-03LS



Dimensions in [] are millimeters

-04LS

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