



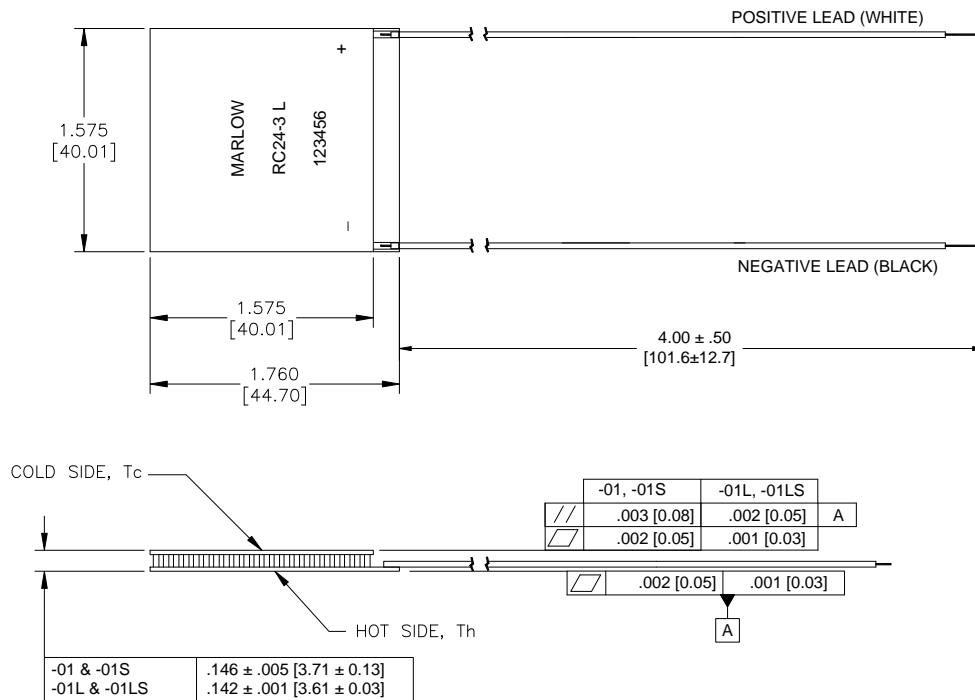
## RC24-3

Single-Stage Thermoelectric Cooler  
RoHS EU Compliant

### TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N <sub>2</sub> ):	60	68
Qmax (watts):	49.58	54.88
I <sub>max</sub> (amps):	2.9	2.8
V <sub>max</sub> (vdc):	26.76	29.80
AC Resistance (ohms):	8.06	---

### MECHANICAL CHARACTERISTICS



Ceramic Material: Alumina Dimensions in [ ] are millimeters

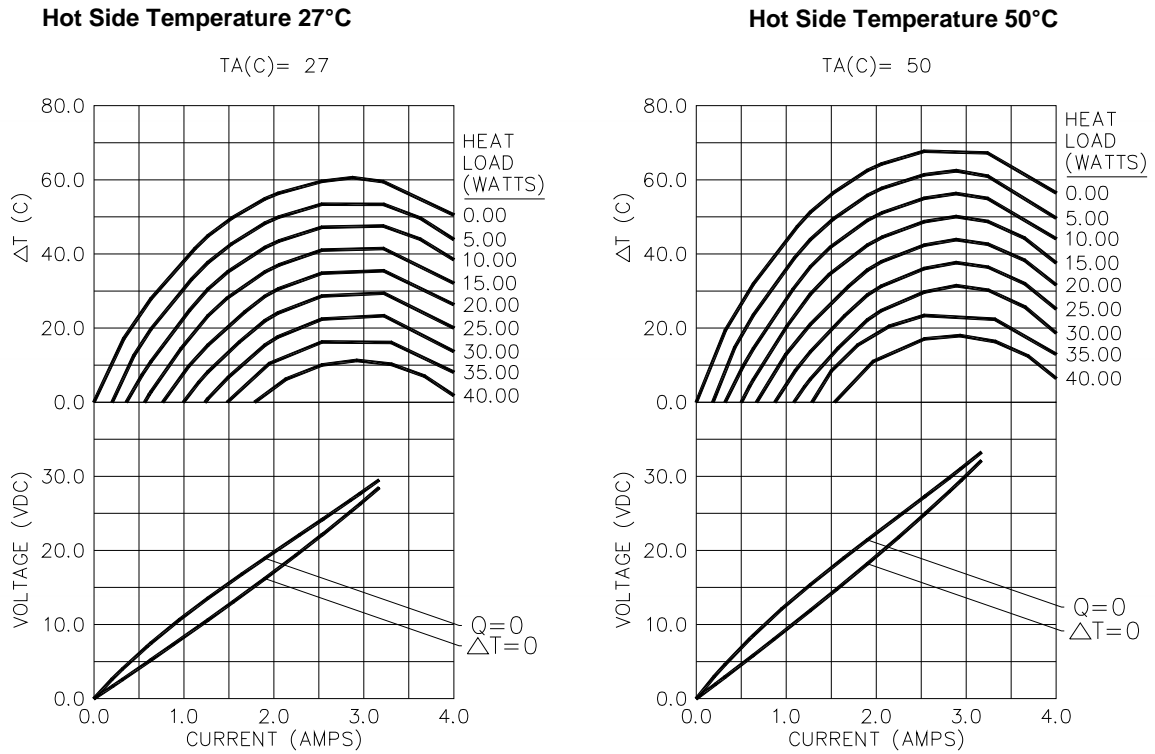
### ORDERING OPTIONS

Model Number	Description
RC24-3-01	Base Model with leads
RC24-3-01L	Lapped Model with leads
RC24-3-01S	Sealed Model with leads
RC24-3-01LS	Lapped and Sealed Model with leads

### AVAILABLE MODIFICATIONS

Solid-state reliability.  
Built with high temperature solder with the ability to withstand higher assembly processing temperatures for short periods of time (<160°C).  
Superior nickel diffusion barriers on elements.  
High strength for rugged environment.  
Porched configuration for enhanced leadwire strength.  
RTV sealing available (Optional).  
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, consult one of our Applications Engineers.

Installation

Recommended mounting methods: Bonding with thermal epoxy or soldering with metallized ceramics. 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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