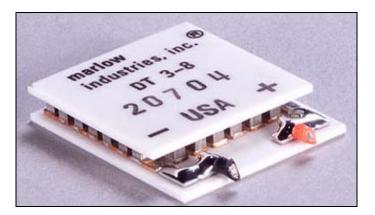


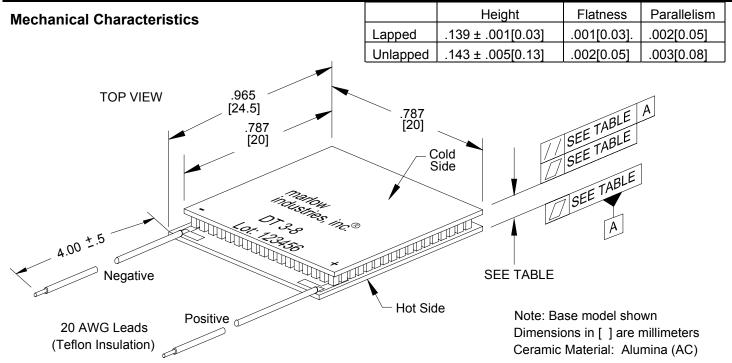
# marlow industries inc.®

## Thermoelectric Cooler

### **Performance Values**

Hot Side Temperature (°C)	27°C	50°C
$\Delta$ Tmax (°C-dry N <sub>2</sub> ):	65	73
Qmax (watts):	17	19
Imax (amps):	7.4	7.4
Vmax (vdc):	3.6	4.1
AC Resistance (ohms):	0.4	





## **Ordering Options**

Model Number	Description
DT3-8-01	Base Model
DT3-8-01L	Lapped Model
DT3-8-01S	Sealed Model
DT3-8-01LS	Lapped and Sealed Model

## Features

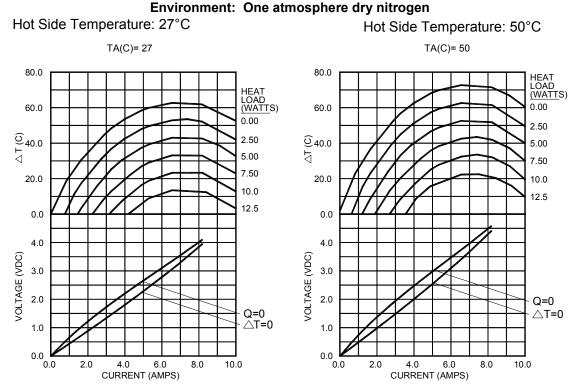
- Solid state reliability
- Built with high temperature solder with the ability to withstand higher assembly processing temperatures for short periods of time (<160°C)</li>
- Superior nickel diffusion barriers on elements
- High strength for rugged environment
- Porched configuration for improved leadwire strength
- RTV sealing option available to improve reliability in condensing environment
- Lapped option available for multiple module applications.

# DT3-8

# **Thermoelectric Cooler**

DT3-8

#### **Performance Curves**



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

Consult Marlow Industries' Thermoelectric Installation Guide or reliability report for more details. For additional information, please contact one of our application engineers for technical support.

#### **Operation Cautions**

For maximum reliability, storage and operation below 85°C is recommended. Excessive power cycling and powering through thermostatic (on/off) control is not recommended.



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