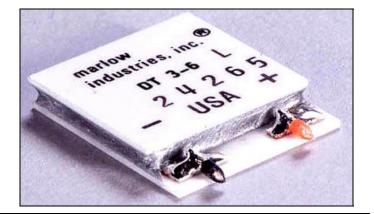


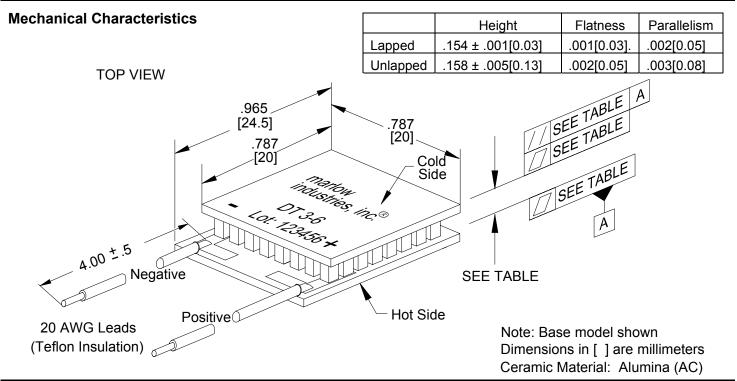
Thermoelectric Cooler

DT3-6

Performance Values

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	65	73
Qmax (watts):	13	14
Imax (amps):	5.6	5.6
Vmax (vdc):	3.6	4.1
AC Resistance (ohms):	0.5	





Ordering Options

Model Number	Description
DT3-6-01	Base Model
DT3-6-01L	Lapped Model
DT3-6-01S	Sealed Model
DT3-6-01LS	Lapped and Sealed Model

Features

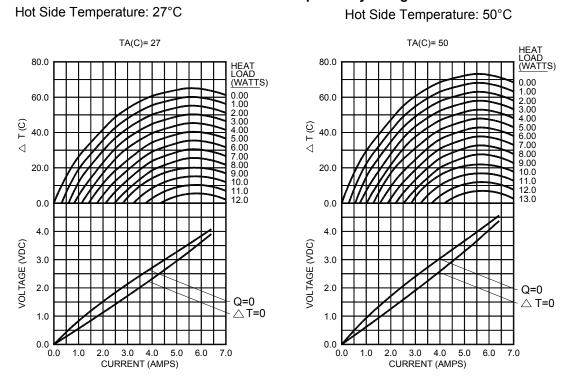
- Solid state reliability
- Built with high temperature solder with the ability to withstand higher assembly processing temperatures for short periods of time (<160°C)
- Superior nickel diffusion barriers on elements
- High strength for rugged environment
- Porched configuration for improved leadwire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

Thermoelectric Cooler

DT3-6

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, 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

Maximum storage and operation +150°C. For maximum reliability, storage and operation below 85°C is recommended. Excessive power cycling and powering through thermostatic (on/off) control is not recommended.



Marlow Industries, Inc. 10451 Vista Park Road Dallas Texas 75238-1645 TEL: 214-340-4900 FAX: 214-341-5212 Internet: www.marlow.com

Marlow Industries Europe Aberdeen House, South Road Haywards Heath West Sussex RH164NG UK TEL: +44 (0)1444-443404 FAX: +44 (0)1444-443334 Marlow Industries Asia 1-1-8-401 Uehara, Shibuya-ku Tokyo, Japan 151-0064 TEL: +81 (3) 5454-5280 FAX: +81 (3) 5454-5281

Copyright 2000, Marlow Industries, Inc. Marlow Industries reserves the right to change the design and specifications of products without notice. 102-0157, Rev C