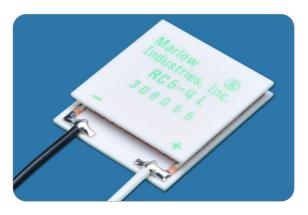


TECHNICAL DATA SHEET



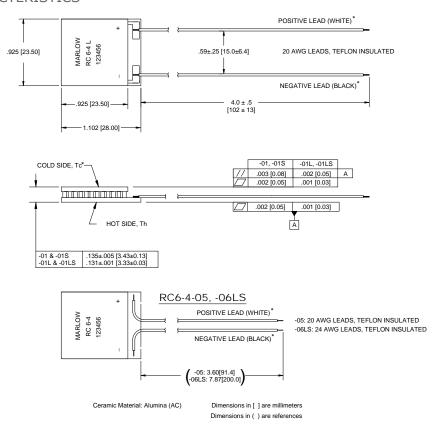
RC6-4

Single-Stage Thermoelectric Module RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	65	73
Qmax (watts):	20	22
Imax (amps):	3.7	3.7
Vmax (vdc):	8.2	9.2
AC Resistance (ohms):	1.8	
Device 7T	0.74	

MECHANICAL CHARACTERISTICS

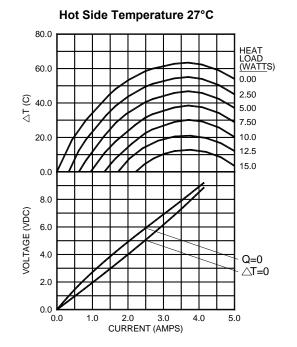


*NOTE: Cold side and positive and negative leads are valid only for thermoelectric cooling. For power generation, refer to page 3.

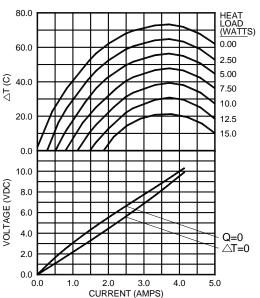
ORDERING OPTIONS		AVAILABLE MODIFICATIONS	
Model Number	Description		
RC6-4-01	Base Model w/ leads	Solid-state reliability. Built with high temperature solder with the ability to withstand higher assembly processing temperatures for short periods of time (<160°C).	
RC6-4-01L	Lapped Model		
RC6-4-01S	Sealed Model	Superior nickel diffusion barriers on elements.	
RC6-4-01LS	Lapped and Sealed Model	High strength for rugged environment.	
RC6-4-02L	Lapped, Mark with "L", Nail Head	Porched configuration for enhanced leadwire strength.	
RC6-4-05	Base Model w/ bent-leads	RTV sealing available (Optional).	
RC6-4-06LS	Lapped and Sealed Mode w/bent-leads	Lapped option available for multiple module applications.	

COOLING PERFORMANCE CURVES

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



Hot Side Temperature 50°C



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 when operating in cooling mode, 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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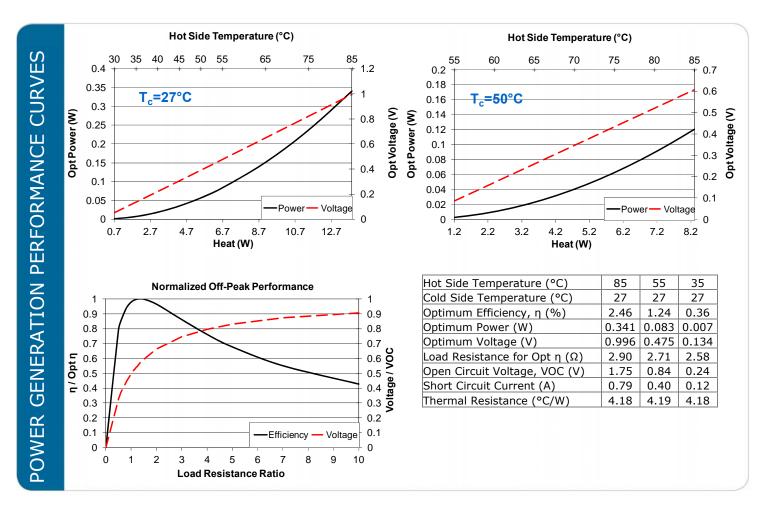
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Power Generation performance information is given in a nitrogen environment and cold side temperatures of 27°C and 50°C. Module temperature does not include thermal resistance of heat sinks. For performance information in vacuum, other cold side temperatures, or specific heat sinks, consult one of our applications engineers.

TYPICAL POWER GENERATION CONFIGURATION

