

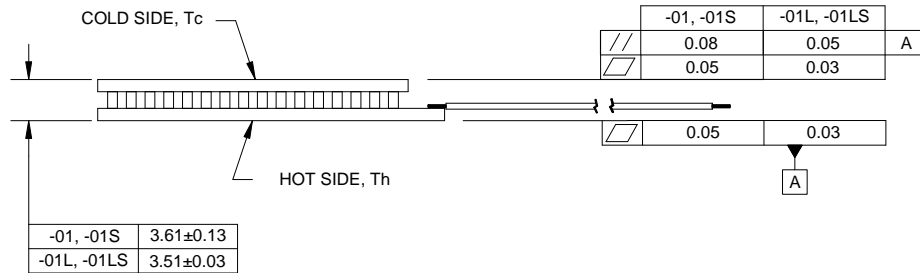
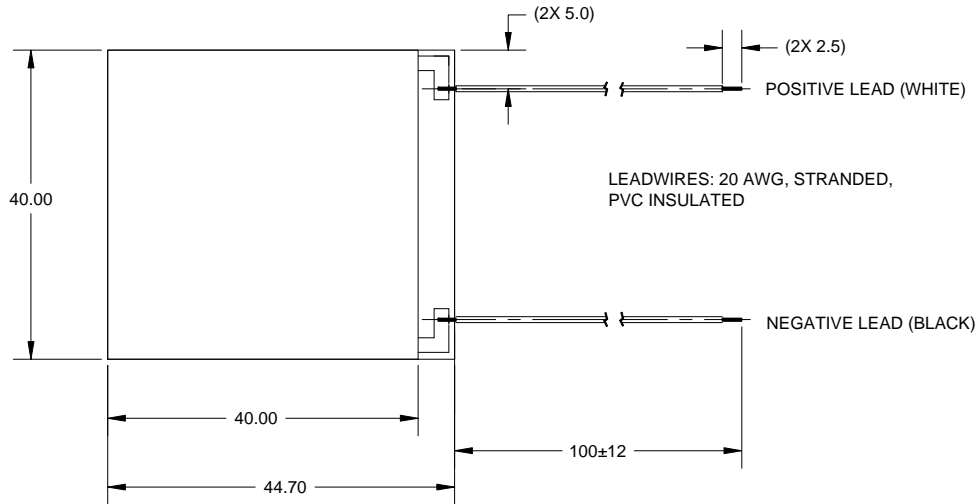
RC12-9

Single-Stage Thermoelectric Cooler
RoHS and Reach EU Compliant

PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	65	74
Qmax (watts):	78.6	87.2
Imax (amps):	8.4	8.4
Vmax (vdc):	14.1	15.7
AC Resistance (ohms):	1.44	

MECHANICAL CHARACTERISTICS



Dimensions are in millimeters

ORDERING OPTIONS

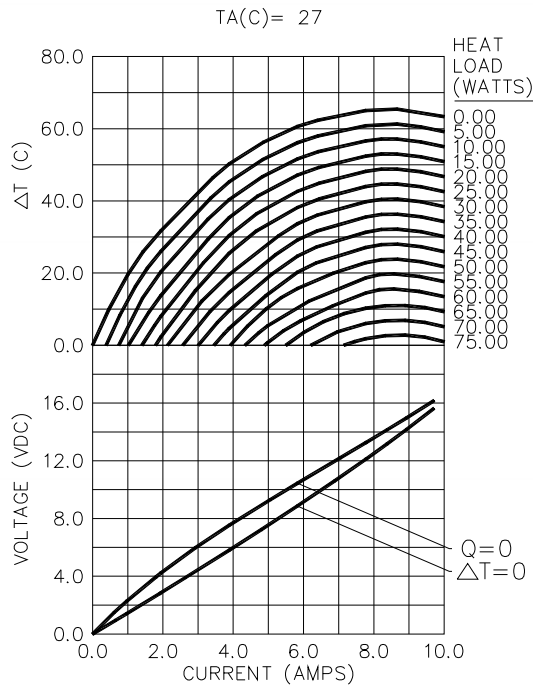
Model Number	Description
RC12-9-01	TEM, Base Model w/ Leads
RC12-9-01L	TEM, Lapped
RC12-9-01S	TEM, Sealed
RC12-9-01LS	TEM, Lapped and Sealed

AVAILABLE MODIFICATIONS

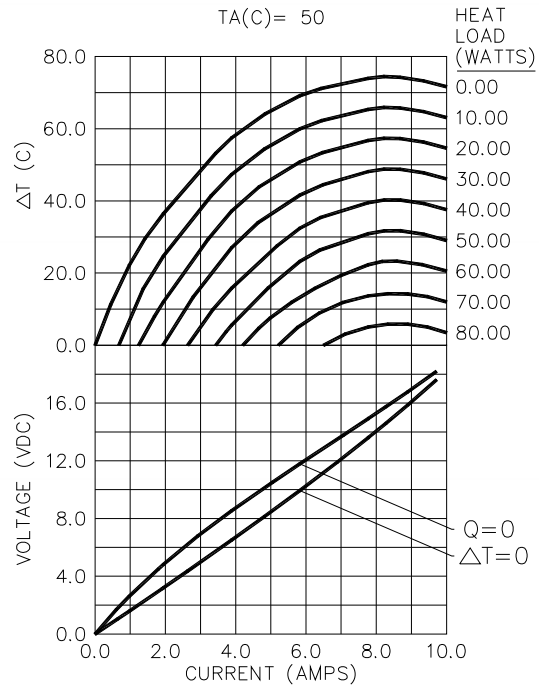
Solid-state reliability.
 Maximum recommended operating temperature is 85°C.
 Maximum processing temperature is 120°C.
 Superior nickel diffusion barriers on elements.
 High strength for rugged environment.
 Porched configuration for enhanced leadwire strength.
 Sealed versions include RTV sealing of the perimeter and leadwire joints.
 Lapped option available for multiple module applications.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C



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, 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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