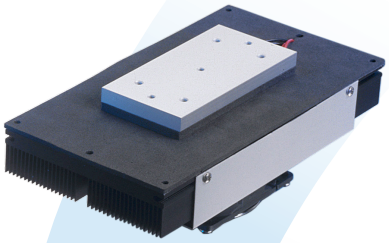
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

DA PowerCool Series, DA-115-24-02
Thermoelectric Assembly



POWERCOOL SERIES DIRECT-TO-AIR THERMOELECTRIC ASSEMBLY

The DA PowerCool Series is a Direct-to-Air thermoelectric assembly (TEA) that uses impingement flow to transfer heat. It offers dependable, compact performance by cooling objects via conduction. Heat is absorbed through a cold plate and dissipated thru a high density heat exchanger equipped with an air ducted shroud and brand name fan. The thermoelectric modules are custom designed to achieve a high coefficient of performance (COP) to minimize power consumption. This product series is available in a wide range of cooling capacities and voltages. Custom configurations and moisture protection options are available, however, MOQ applies.

FEATURES RoHS

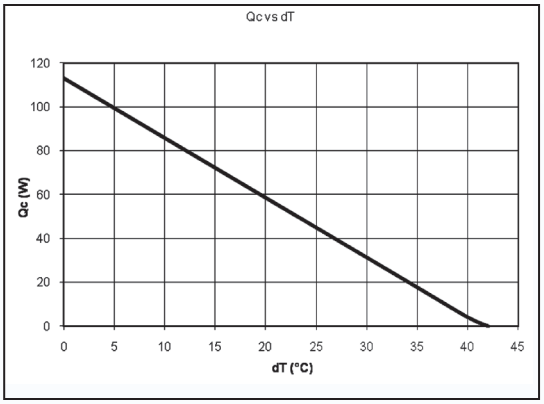
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

APPLICATIONS

- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

Specifications	
Cooling Power Qcmax (W)	113
Running Current (A)	5.8
Startup Current (A)	6.7
Nominal Voltage (V)	24
Max Voltage (V)	30
Power Input (W)	139
Operating Temperature (°C)	-10 to 47
Weight (kg)	2.9
MTBF (fans – hrs)	50,000
Performance Tolerance	±10%

PERFORMANCE CURVE



global solutions: local support™

Americas: +1.888.246.9050
Europe: +46.31.704.67.57
Asia: +86.755.2714.1166

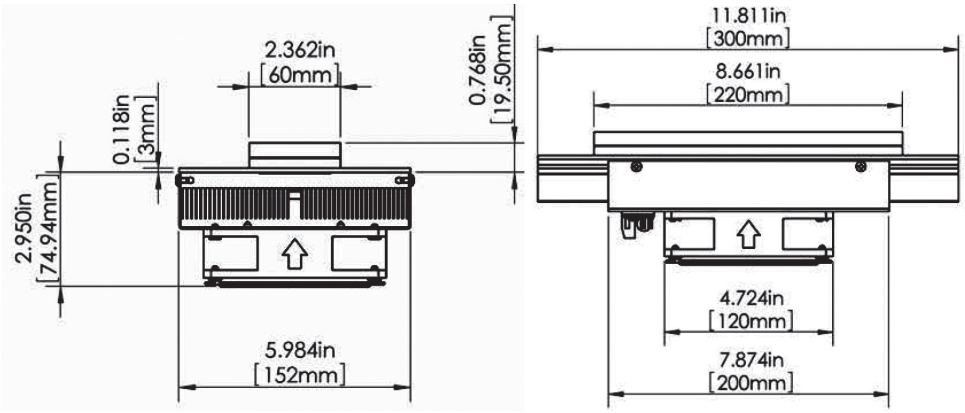
CLV-customerservice@lairdtech.com
www.lairdtech.com/thermal

Laird TECHNOLOGIES

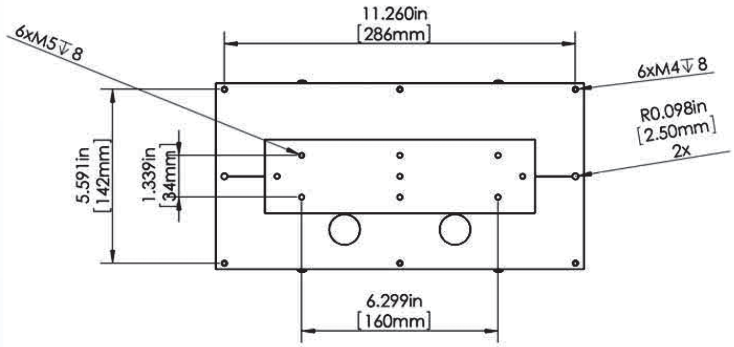
Innovative **Technology** for a **Connected** World

DA PowerCool Series, DA-115-24-02
Thermoelectric Assembly

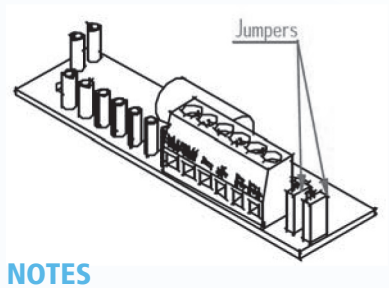
ISOMETRIC DRAWINGS



MOUNTING HOLE LOCATION



WIRING SCHEMATIC



Electrical connections:

"+":	+TEM
"– ":	– TEM
"F+":	+Fan(s)
"F– ":	– Fan(s)

To use single supply:
Lift the jumpers and rotate 90° to short-cut the pin pairs.
Connect the unit to "+" & "–".

Warning: Single supply not applicable in heating mde or with PWM-regulation.

NOTES

For indoor use only
Thermally Conductive Grease enclosed
Overheating Thermostat: 75°C ± 5°C on hot side heat sink surface

AMEYA360
Components Supply Platform

Authorized Distribution Brand :

Website :

Welcome to visit www.ameya360.com

Contact Us :

- ### Address :

  401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
  Minhang District, Shanghai , China

- ### Sales :

  Direct +86 (21) 6401-6692

  Email amall@ameya360.com

  QQ 800077892

  Skype ameyasales1 ameyasales2

- ### Customer Service :

  Email service@ameya360.com

- ### Partnership :

  Tel +86 (21) 64016692-8333

  Email mkt@ameya360.com