Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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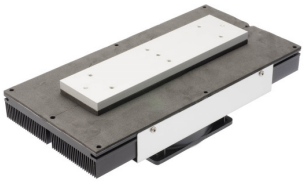
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

DA PowerCool Series DA-115-24-02

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.

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Europe: +46.31.420530
Asia: +86.755.2714.1166
ets.sales@lairdtech.com
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FEATURES

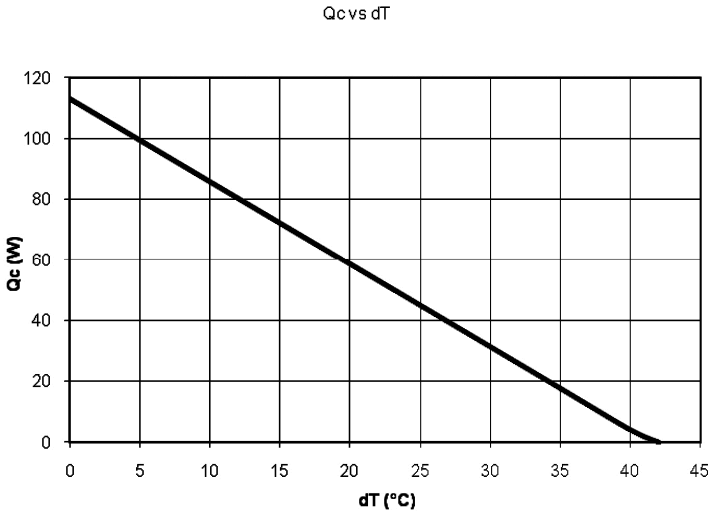
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

APPLICATIONS

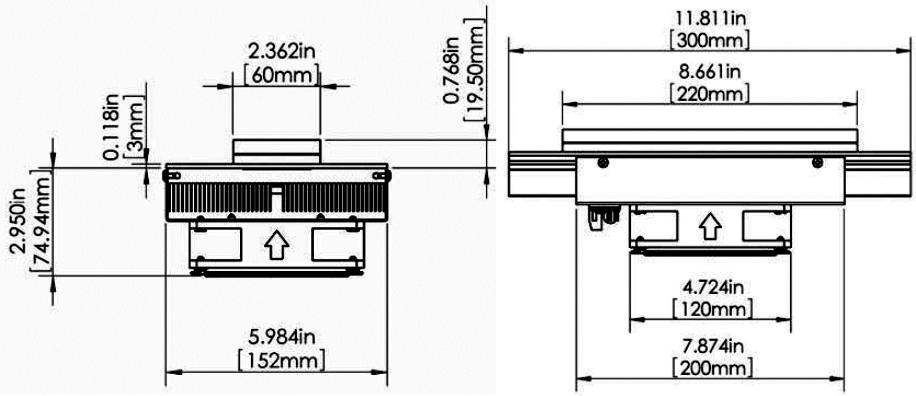
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

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%

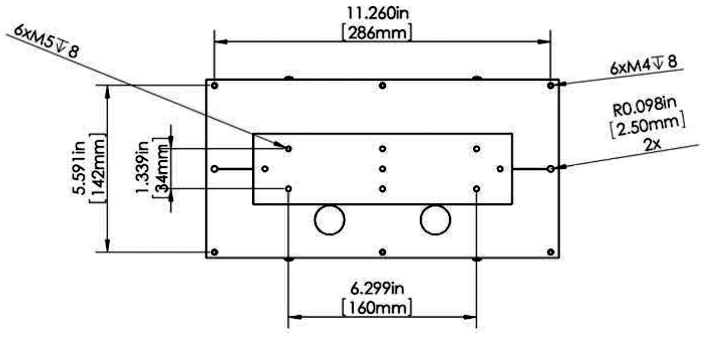
PERFORMANCE CURVE



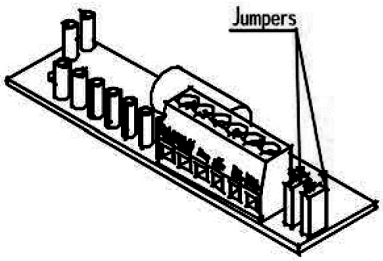
ISOMETRIC DRAWINGS



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

Overheating Thermostat: 75°C ± 5°C on hot side heat sink surface