

Direct-Air Thermoelectric Assembly

DA-031-12

Specifications:

Cooling Power Q_{cmax} (W)	31
Running Current (A)	2.9
Nominal Voltage (V)	12
Max Voltage (V)	14
Power Input (W)	35
Operating Temperature (°C)	-10 to 50
Weight (kg)	0.6
MTBF (fans-hrs)	50,000
Performance Tolerance	±10%



Features

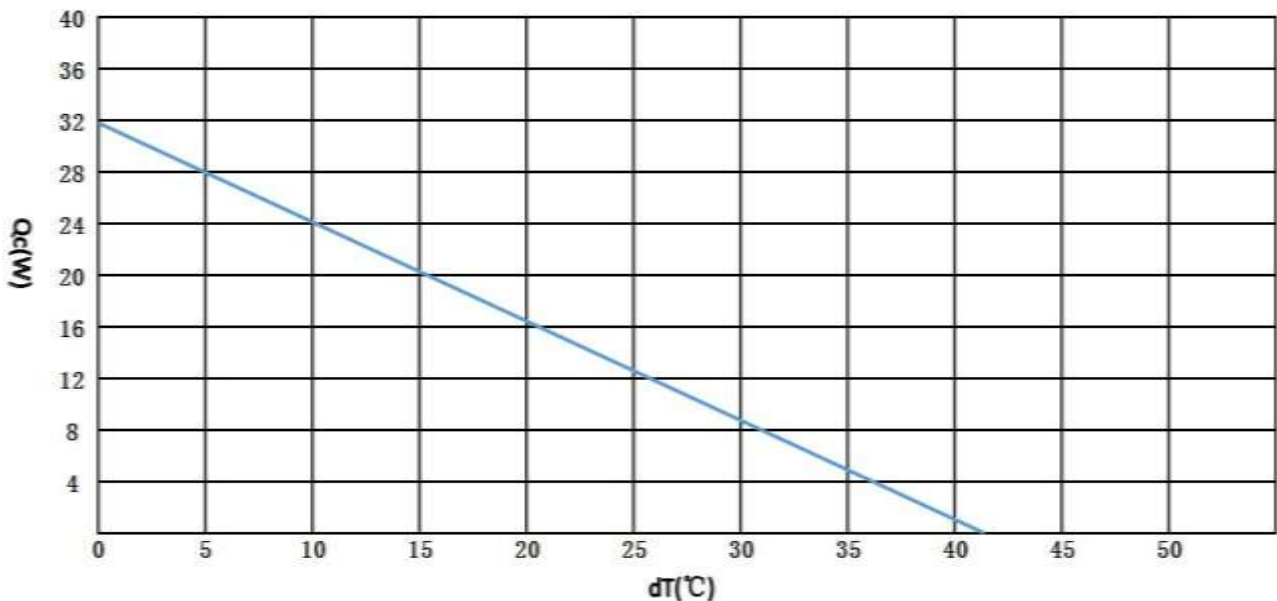
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

Applications

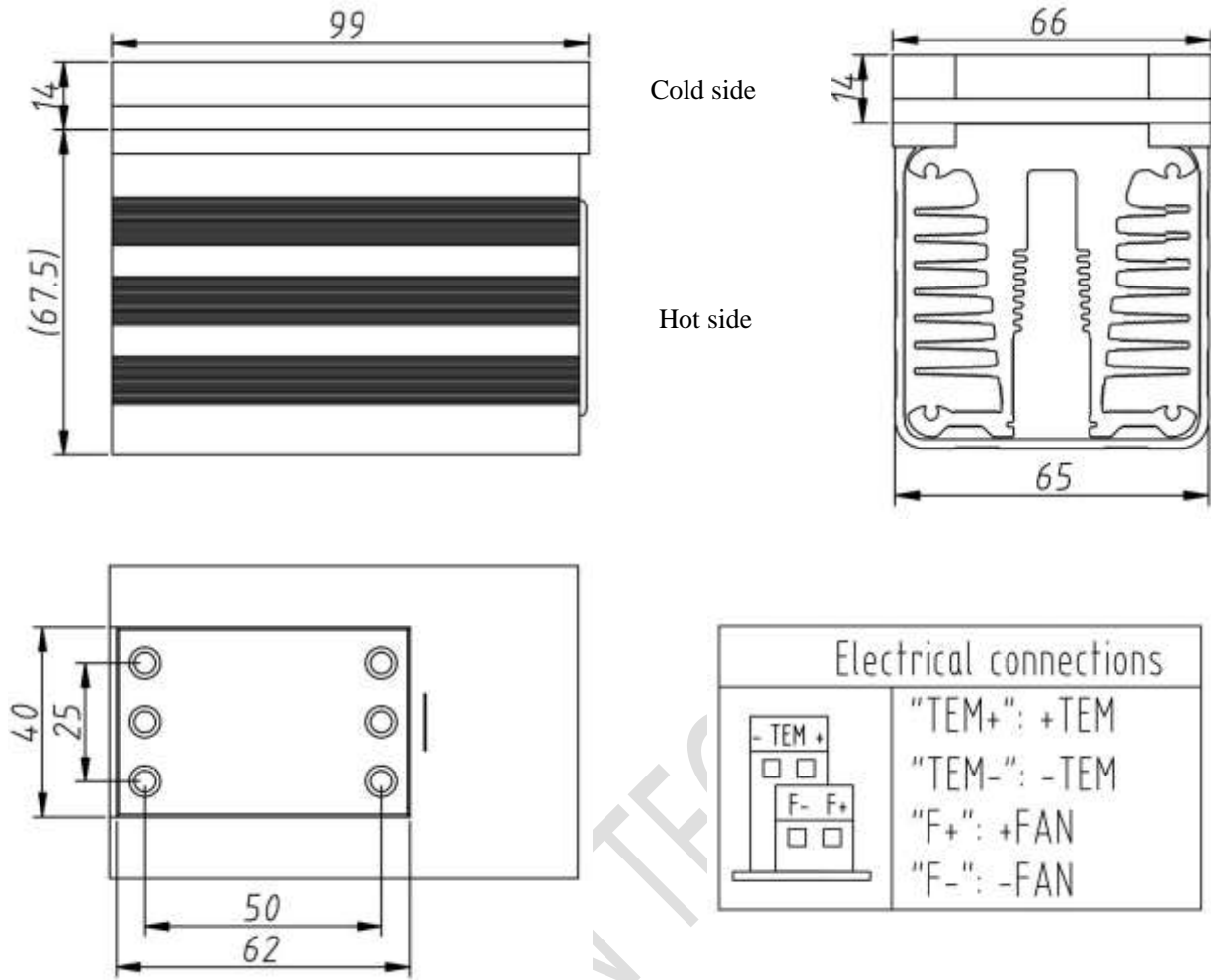
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

All products are manufactured in an ISO 9001:2008 & ISO/TS 16949:2009 certified facility and are designed to meet the cooling needs of many thermal management applications in the medical, analytical, industrial and telecom markets.

Performance Curve



Mechanical Drawing



Installation and manual Service

Installation:

1. Mounting holes: 4×M5, max screw insertion depth 9.5mm;
2. The TE assembly must be protected from external force or violence;
3. Cooled parts need to be isolated from air humidity to minimize risk for condensation and thermally insulated for best performance.

Service:

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function.

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