

**Direct-Air Thermoelectric Assembly**

DA-040-12-00

**Specifications:**

Cooling Power $Q_{cmax}$ (W)	40
Running Current (A)	5.2
Nominal Voltage (V)	12
Max Voltage (V)	15
Power Input (W)	67
Operating Temperature ( $^{\circ}C$ )	-10 to 50
Weight (kg)	0.8
MTBF (fans-hrs)	50,000
Performance Tolerance	$\pm 10\%$



**Features**

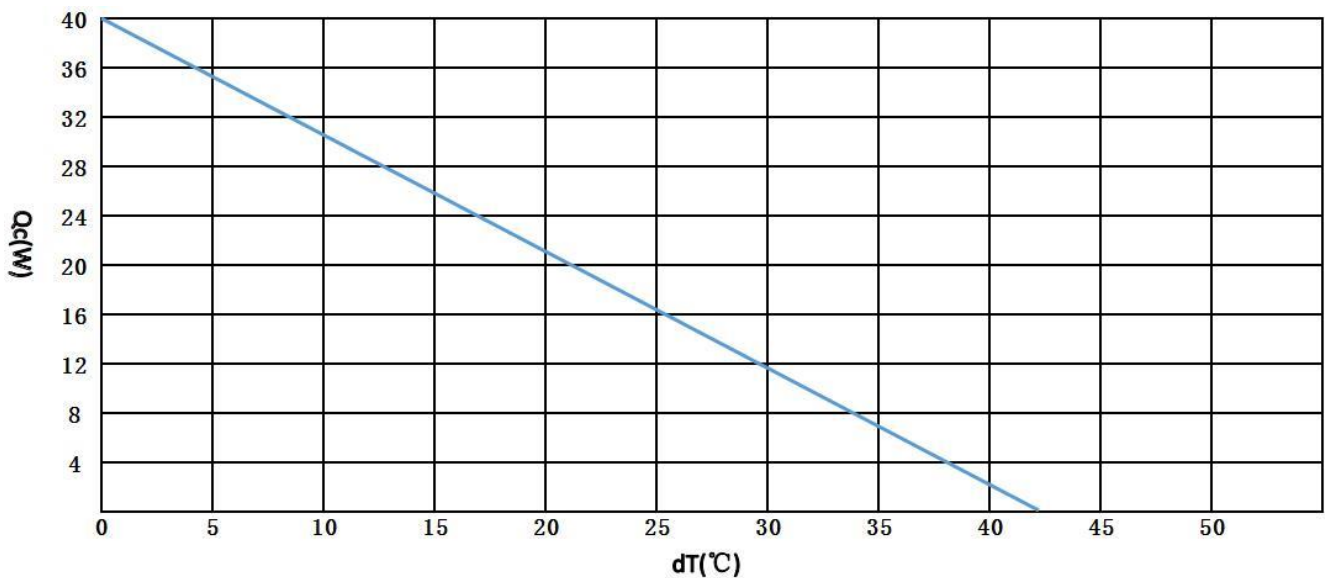
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

**Applications**

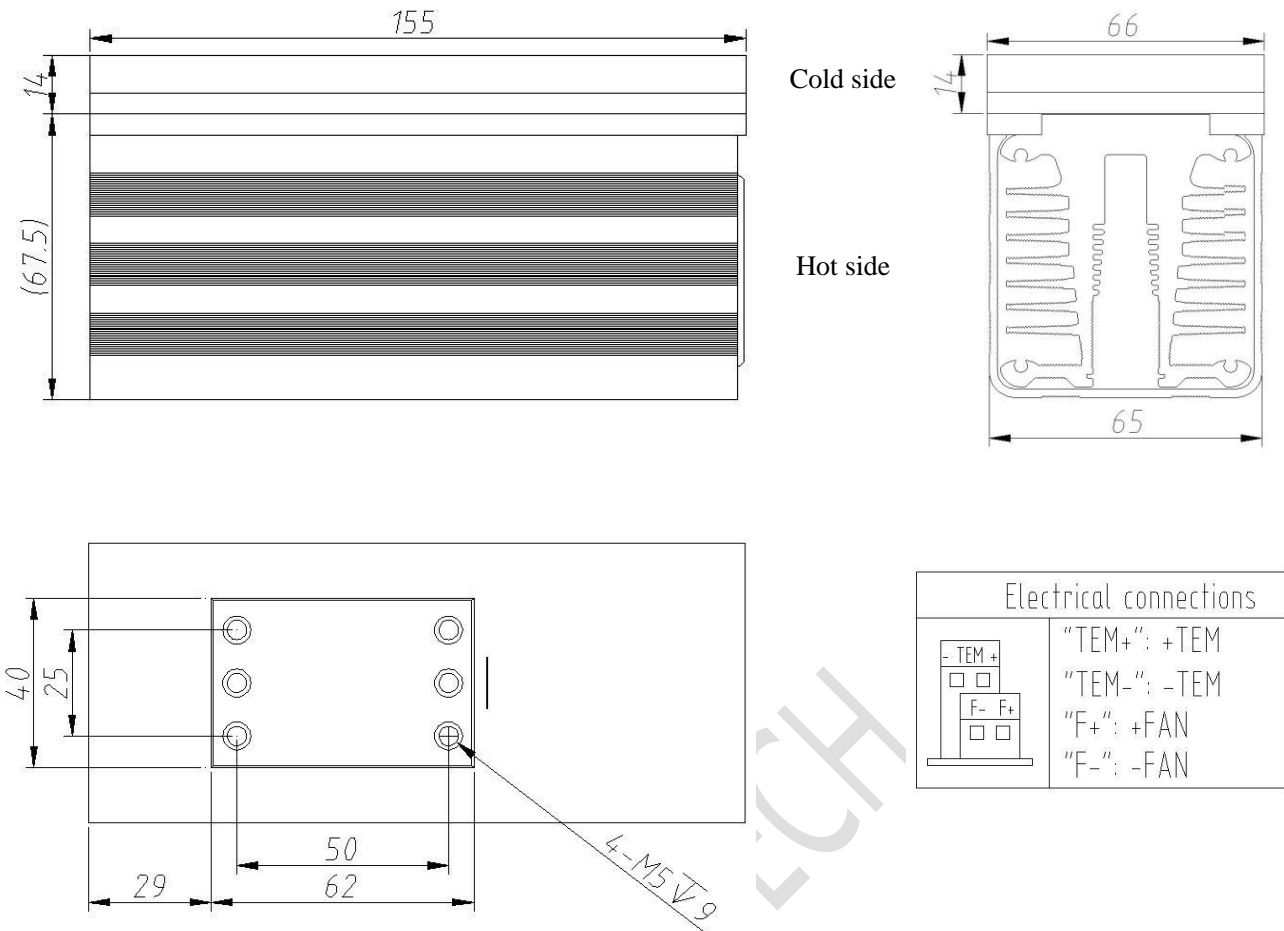
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

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 9.0mm;
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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