

**Plate-to-Air Thermoelectric Assembly**

PA-045-12-00

**Specifications:**

Cooling Power $Q_{cmax}$ (W)	45
Running Current (A)	6.5
Nominal Voltage (V)	12
Max Voltage (V)	15
Power Input (W)	78
Operating Temperature (°C)	-10 to 50
Weight (kg)	1.2
MTBF (fans-hrs)	70,000
Performance Tolerance	±10%



**Features**

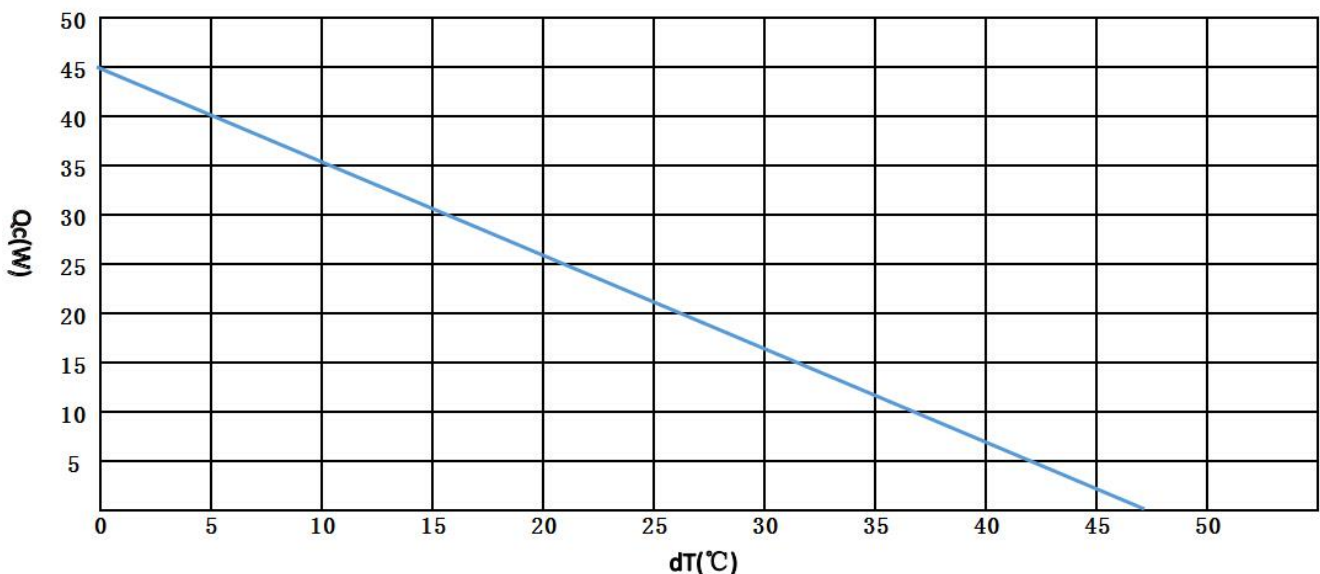
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

**Applications**

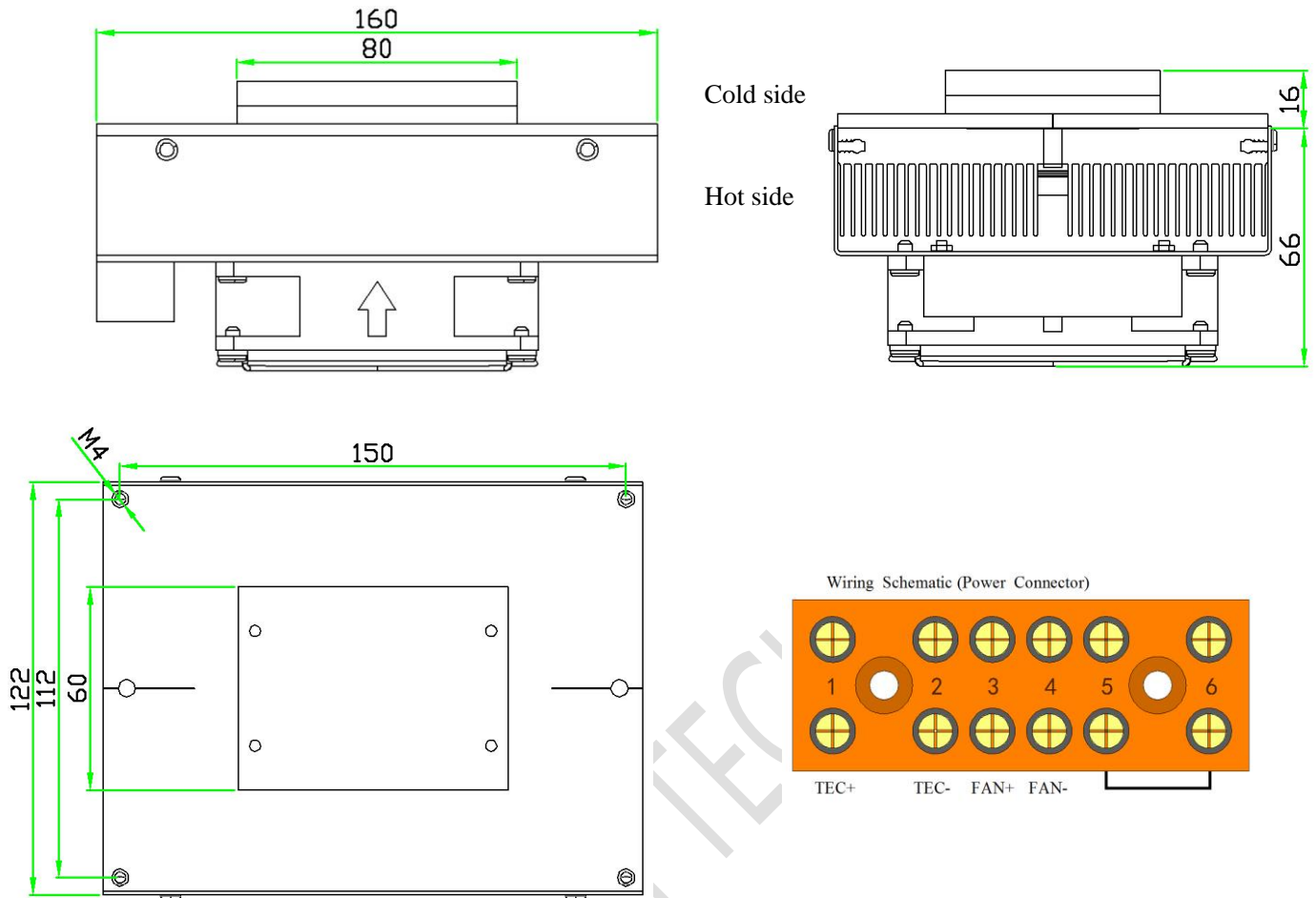
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

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**



**Service and Notes manual**

**Service:**

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

**Notes:**

Overheating Thermostat:  $75^{\circ}\text{C} \pm 5^{\circ}\text{C}$  on hot side heat sink surface.

**Address:** 5/F Xinfei Building 28<sup>th</sup> Xiangming Road, Torch (xiang'an) Hi-tech Zone, Xiamen Fujian China.

**Sales Tel:** +86-592-352 1988

**Fax:** +86-592-352 1989

**Postcode:** 361 101

**Web:** [www.pengnantech.com](http://www.pengnantech.com)