

DA Tunnel Series, DA-025-12-02

Thermoelectric Assembly



TUNNEL SERIES DIRECT-TO-AIR THERMOELECTRIC ASSEMBLY

The DA Tunnel Series is a Direct-to-Air thermoelectric assembly (TEA) that minimizes the number of airflow paths required to operate. It offers dependable, compact performance by cooling objects via conduction. Heat is absorbed and dissipated through a high density heat exchanger equipped with an air ducted shroud and a brand name fan. The thermoelectric modules are custom designed to achieve a high coefficient of performance (COP) to minimize power consumption. Custom configurations are available, however, MOQ applies.

FEATURES

- Tunnel Series compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

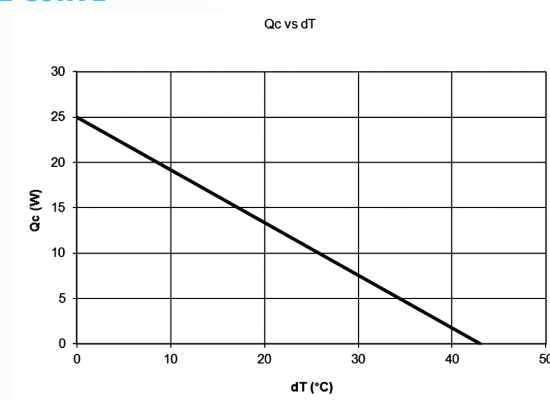
APPLICATIONS

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

Specifications

Cooling Power Q_{cmax} (W)	25
Running Current (A)	2.5
Startup Current (A)	3.1
Nominal Voltage (V)	12
Max Voltage (V)	15
Power Input (W)	30
Operating Temperature (°C)	-10 to 45
Weight (kg)	0.6
MTBF (fans – hrs)	50,000
Performance Tolerance	±10%

PERFORMANCE CURVE



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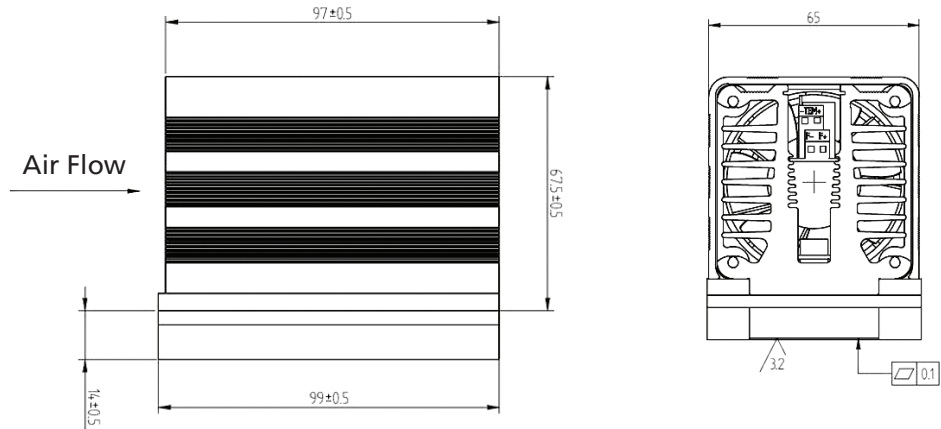
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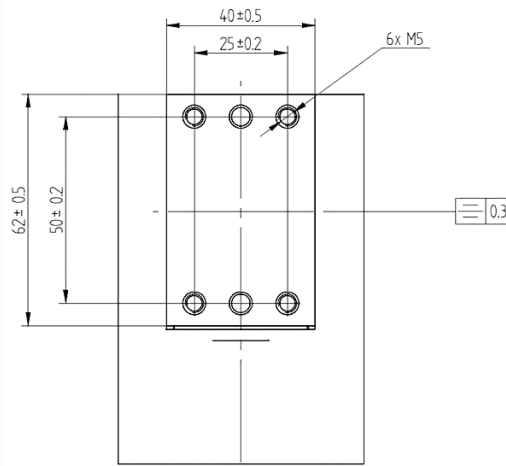
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ISOMETRIC DRAWINGS



MOUNTING HOLE LOCATION



NOTES

For indoor use only
All dimensions in mm

THR-DS-DA-025-12-02 0212

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