Thermoelectric Assembly
Direct-to-Air, 12V DC, 48Watts

Description
Direct-to-Air Thermoelectric cooling assemblies are compact devices that can be used to cool down objects through forced convection. Heat is pumped from one side of the thermoelectric assembly (cold side) using Peltier thermoelectric modules and is dissipated from the other (hot side) of the assembly to the environment through the use of bespoke heat sinks and highly efficient DC Axial fans. The thermoelectric modules, whose reliability and maintenance-free operation has been well proven, are carefully selected for each assembly in order to ensure the best cooling performance and to minimise power consumption.

Applications
- Electronic cabinets
- Medical instrumentation
- Analytical diagnostics
- Food and beverage cooling
- Laser systems cooling

Features
- Reliable
- Compact design
- Excellent temperature control
- DC operation (24V nominal input voltage)
- Thermoelectric modules with high Coefficient of Performance (COP)

Specifications
- Maximum Cooling Power : 47.9W
- Nominal Voltage : 24V
- Maximum Voltage : 30V
- Rated Current : 2.9A
- Power Input : 58W
- Operating Temperature : -10°C to +50°C
- Weight : 1.2kg
- Performance Tolerance : ±10%
- L10 of fans at 40°C (hrs) : 40k (hot side)

Diagram
Thermoelectric Assembly
Direct-to-Air, 12V DC, 48Watts

Location and dimensions of mounting holes

![Diagram of mounting holes]

Dimensions: Millimetres

Part Number Table

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<th>Description</th>
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