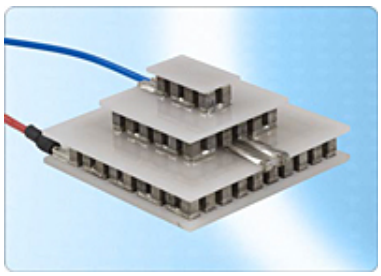
Item # MS2,192,14,20,15,25,11,W8, Multistage (Cascade) Series Thermoelectric Coolers



Multistage (Cascade) Series Thermoelectric Coolers

Stock Locator

The Multistage (MS) Series of Thermoelectric Modules (TEMs) offers the highest temperature differential (T), up to 131°C. This product line is available in numerous temperature differentials, heat pumping capacities and geometric shapes. The MS Series is designed for higher current and lower heat-pumping applications. It is ideal for applications operating in room temperature environment. Custom designs are available upon request, however MOQ applies.

Applications

- CCD Cameras
- Electron Microscopes
- Calibration Equipment
- Photonics Laser Systems
- Gas Analyzers
- Infrared (IR) Sensors
- Guidance Systems

Features

- High Temperature Differential
- Compact Geometric Sizes
- Reliable Solid State Operation
- Precise Temperature Control
- Environmentally Friendly
- RoHS Compliant

Please specify the surface finish by adding one of the following codes to the end of the catalog number:

- **00** Metallized Hot and/or Cold face
- **11** Non-Metallized Hot and/or Cold face
- 22 Pre-tinning Hot and/or Cold face with 118°C InSn Solder

Definitions:-

Imax: Input current resulting in greatest T (Tmax) [Amps]

Qmax: Maximum amount of heat that can be absorbed at cold face (occurs at I = Imax, T = 0°C) [Watts]

TH: Temperature of the TEC hot face during operation [°C]

Tmax: Maximum temperature difference a TEC can achieve (occurs at I = Imax, Qc = 0) [°C]

Vmax: Voltage at T (Tmax) [Volts]

SPECIFICATIONS

ΔTmax (TH = 25ºC)	88 ºC
Qmax (TH = 25ºC)	27.3 watts
Imax (TH = 25ºC)	4.4 A
Vmax (TH = 25ºC)	16 V
Dimension A	40 mm
Dimension B	40 mm
Dimension C	40 mm
Dimension D	40 mm
Dimension E	8.1 mm