

Products / Thermoelectric Coolers / Peltier multistage series / MS3 119 14 15 11 W8

MS3-119-14-15-11-W8 Datasheet

MFG Part Number 9350004-301

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Qc of 7.5 Watts when ΔT = 0 and a maximum ΔT of 100 °C at Qc = 0.





The MS3-119-14-15-11-W8 multistage thermoelectric cooler is able to reach colder temperatures than single stage thermoelectric coolers. It has a maximum

ELECTRICAL AND THERMAL PERFORMANCE

Selected Operating Point

Cooling Power (Qc) = 2.98 Watts Current = 2 97 Amps Voltage = 6 46 Volts Power Supply = 19 16 Watts COP = 0.16Power Dissipated (Qh) = 22 15 Watts °C Thot = 40 **Optimum COP** Cooling Power (Qc) = 1.61 Watts Current = 1.8 Amps Voltage = 4.35 Volts Power Supply = 7.82 Watts COP = 0.21 Power Dissipated (Qh) = 9.43 Watts Maximum Qc Cooling Power (Qc) = 3.46 Watts Current = 4.14 Amps Voltage = 8.56 Volts Power Supply = 35.4 Watts COP = 0.1Power Dissipated (Qh) = 38.86 Watts







SPECIFICATIONS

$Qcmax (\Delta T = 0)$	7.5 Watts
Δ Tmax (Qc = 0)	100.0 °C
Max Operating Temperature	80 °C
Weight	22.0 gram(s)

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°C/W

0

FINISHING OPTIONS

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
11	15.000 ±0.203 mm 0.591 ± 0.008 in	0.025 mm / 0.203 mm 0.001 in / 0.008 in	Lapped	Lapped	199.9 mm 7.87 in

SEALING OPTIONS

Suffix	Sealant	Color	Temp Range	Description
	None			No sealing specified

NOTES

- 1. Max operating temperature: 80°C
- 2. Do not exceed Imax or Vmax when operating module
- 3. Reference assembly guidelines for recommended installation
- 4. Solder tinning also available on metallized ceramics

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