

Specification:

| Parameters | | Remarks |
|----------------------|------------------------|---------|
| Internal Resistance | 0.35Ω ±10% | Note-1 |
| I Max. | 8.5A | Note-2 |
| V Max. | 3.8V | Note-3 |
| - | Th = 27°C Th = 50°C | - |
| Q Max. | 18.8 W 20.8 W | Note-4 |
| ΔT Max. | 70°C 77°C | Note-5 |
| Solder melting point | 235°C | Note-6 |
| Max. compress | 1MPa | Note-7 |

Note-1 Measured by AC 4-terminal method at 25°C

Note-2 Max. current at T Max.

Note-3 Max. voltage at T Max.

Note-4 Max. cooling capacity at I max., V max. and ΔT = 0°C

Note-5 Max. temperature difference at I max., V max. and Q = 0 W
(Max. parameters are measured in a vacuum 1.3 P)

Note-6 The solder melting point of thermoelectric module

Note-7 Recommended max. compression (not destruction limit)

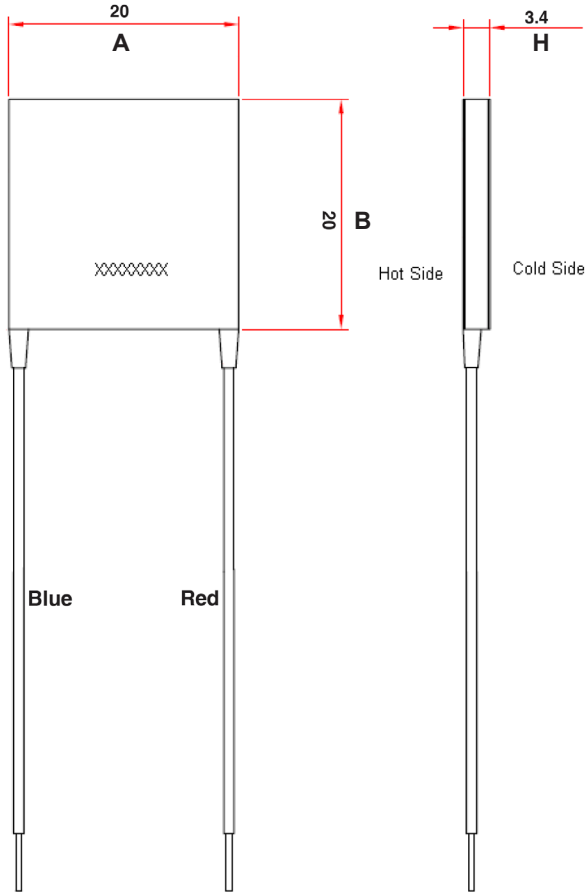
Specification Table:

Thot = 27°C

| I max. (A) | U max. (V) | Qc max. W | dT max. °C |
|------------|------------|-----------|------------|
| 8.5 | 3.8 | 18.8 | 70 |

The modules have specification of -40°C to +100°C operation, and are silicone sealed for moisture protection

Outline Drawing



Dimensions Table

| A | B | H |
|------|------|-------|
| 20mm | 20mm | 3.4mm |

Part Number Table

| Description | Part Number |
|------------------------|-----------------|
| Peltier Cooler, 18.8 W | MCPE1-03108NC-S |

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