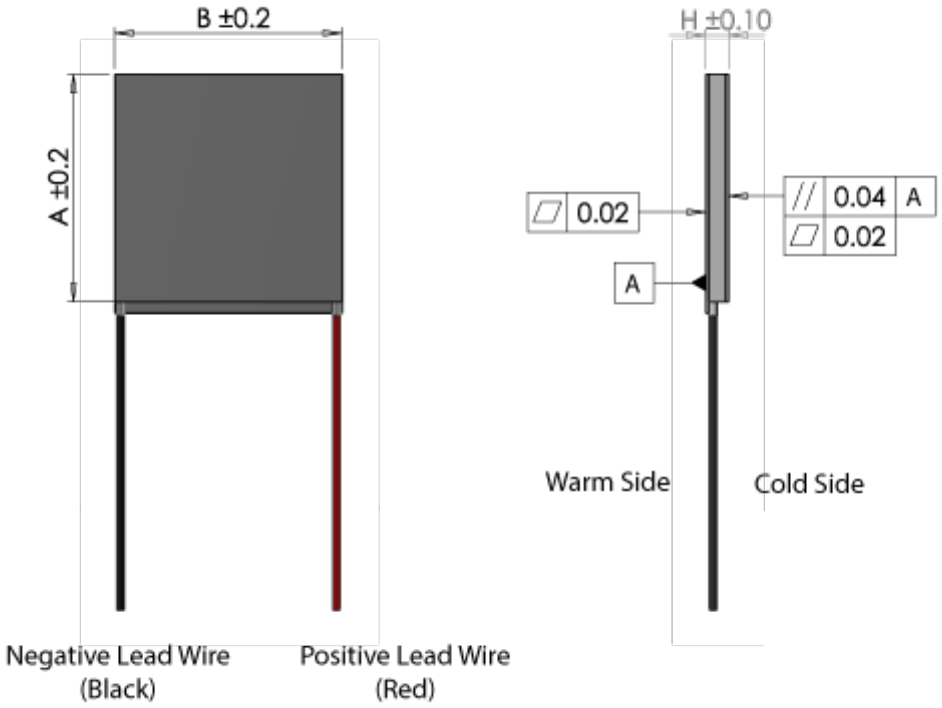
GM250-49-45-16

Thermoelectric Generator Module



Parameters correct at temp.	Hot side: 250°C Cold side: 30°C
Matched load output power	14.07W
Matched load resistance	0.18Ω ± 15%
Open circuit voltage	3.4V
Matched load output	8.8A
Matched load output voltage	1.6V
Heat flow through module	382W
Maximum compress (non-destructive)	1MPa
Maximum operation temperature	Hot side - 250°C. Cold side - 175°C

Geometric Dimensions

A	62mm
B	62mm
H	approx. 3.8mm

Features

- Compact structure (no moving parts)
- Reliable performance
- Maintenance-free
- Noise-free operation
- Low-carbon, green technology

Adaptive is a registered trademark of European Thermodynamics Limited.
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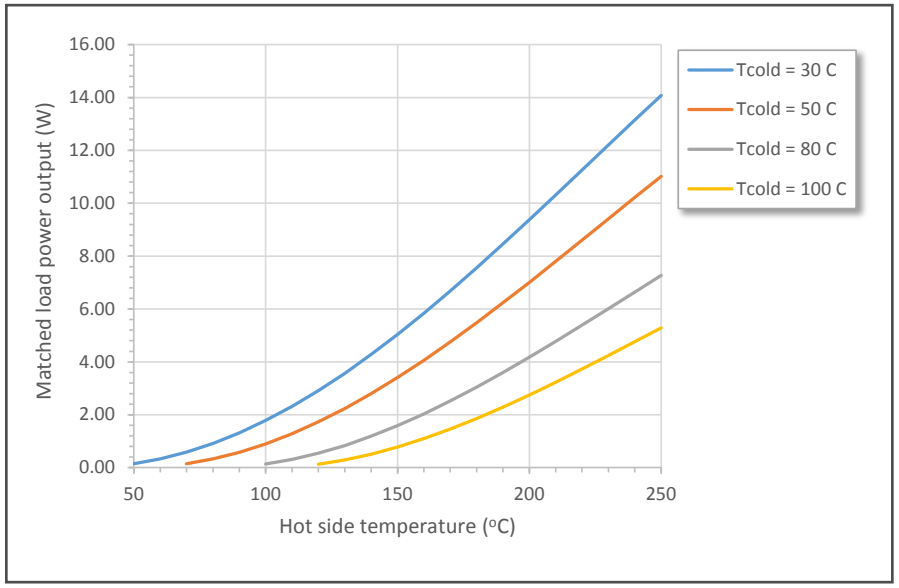
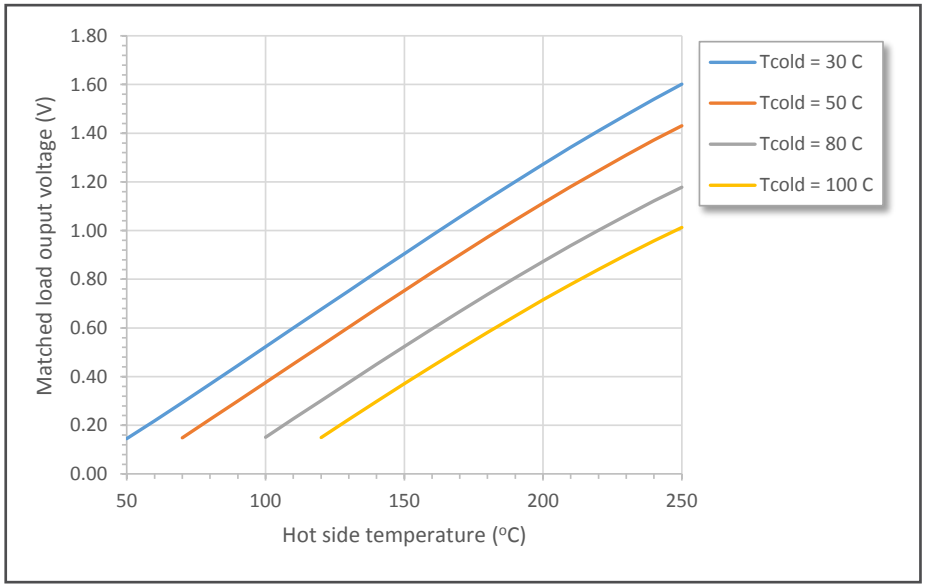
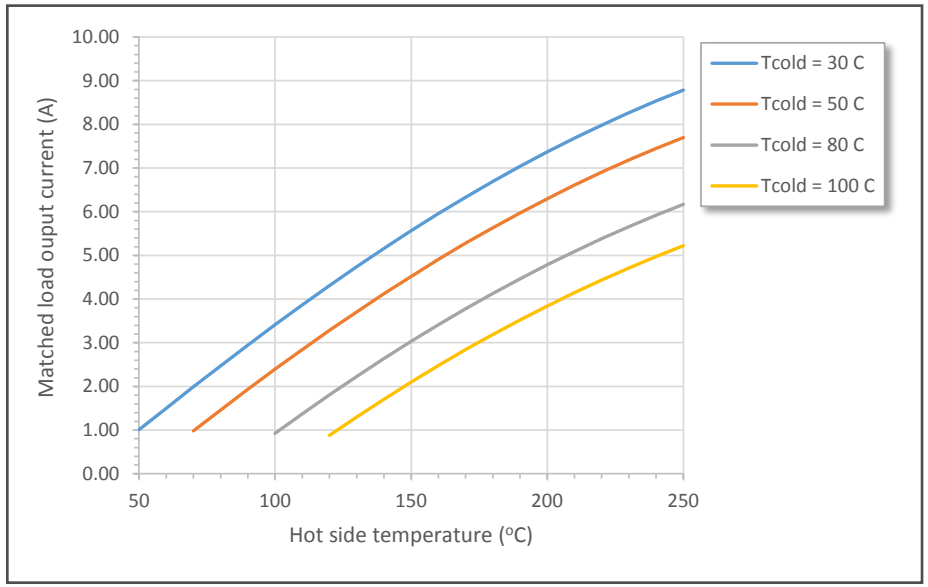
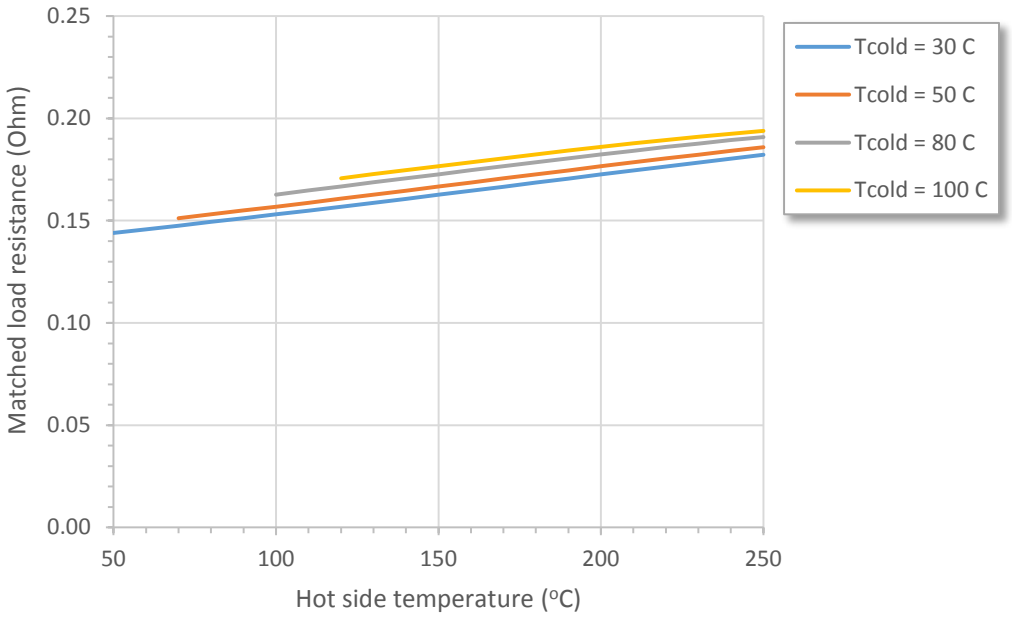
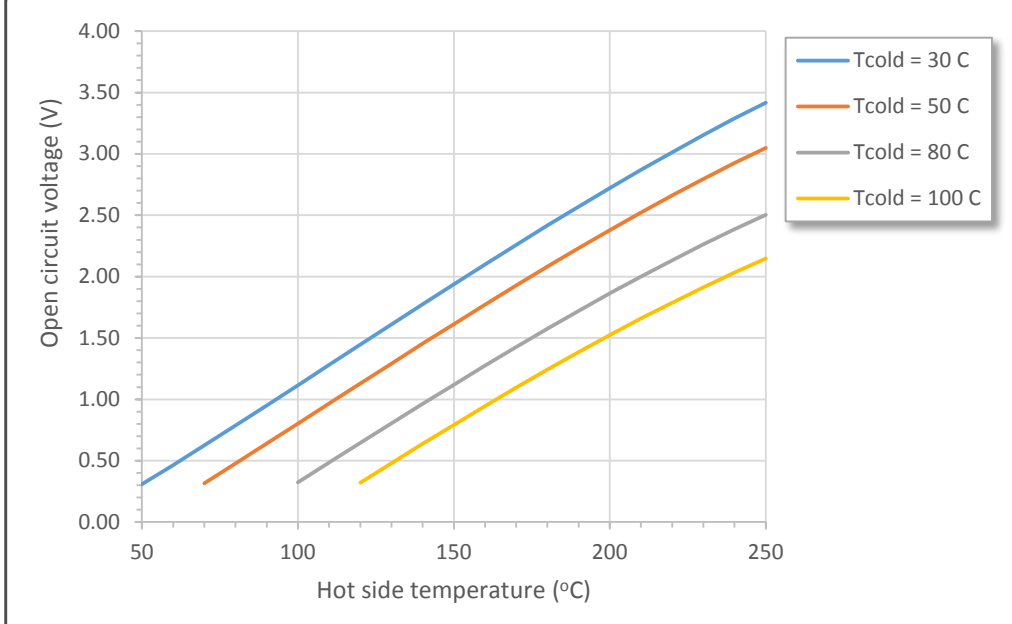

Matched load power output (W)
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
50
100
150
200
250
Hot side temperature (°C)
Tcold = 30 C
Tcold = 50 C
Tcold = 80 C
Tcold = 100 C


Matched load ouput voltage (V)
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
50
100
150
200
250
Hot side temperature (°C)
Tcold = 30 C
Tcold = 50 C
Tcold = 80 C
Tcold = 100 C


Matched load ouput current (A)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
50
100
150
200
250
Hot side temperature (°C)
Tcold = 30 C
Tcold = 50 C
Tcold = 80 C
Tcold = 100 C


Matched load resistance (Ohm)
0.25
0.20
0.15
0.10
0.05
0.00
50
100
150
200
250
Hot side temperature (°C)
Tcold = 30 C
Tcold = 50 C
Tcold = 80 C
Tcold = 100 C


Open circuit voltage (V)
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
50
100
150
200
250
Hot side temperature (°C)
Tcold = 30 C
Tcold = 50 C
Tcold = 80 C
Tcold = 100 C