

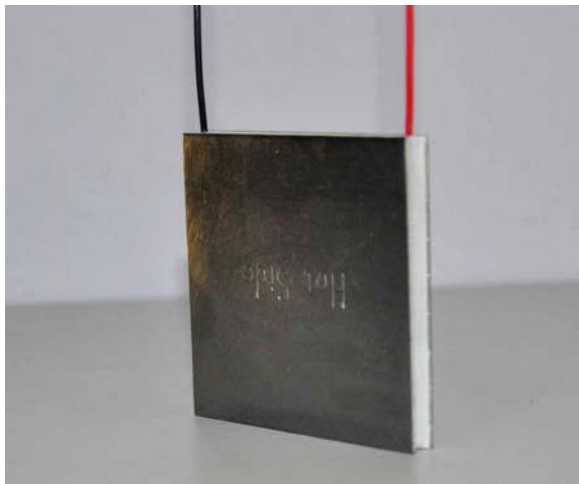
SPECIFICATIONS

TEG241-60BA

Specially designed for high temperature application by EVERREDtronics, the thermoelectric generator can withstand temperature as high as 330°C (626 F) heat source continuously and up to 400°C (752 F) intermittently and thus are widely used for industrial waste heat recovery, automobile exhaust gas heat reclamation or various stove heat recycle.

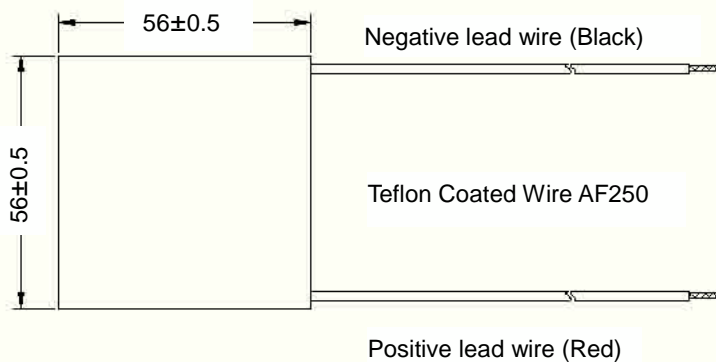
Under 270 Celsius Degree gradient between hot side and cold side, the module can deliver as high as 20.9W power.

Specification of the Module

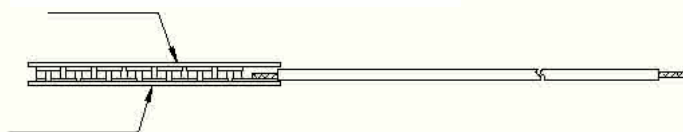


Hot Side Temperature (°C)	300
Cold Side Temperature (°C)	30
Open Circuit Voltage (V)	14.4
Matched Load Resistance (ohms)	2.5
Matched load output voltage (V)	7.2
Matched load output current (A)	2.9
Matched load output power (W)	20.9
Heat flow across the module(W)	≈ 418
Heat flow density(Wcm ⁻²)	≈ 13.3
AC Resistance(ohms) Measured under 27°C at 1000Hz	1.1~1.35

Geometric Characteristics Dimensions in millimeter



Hot Side Attached to Heat source

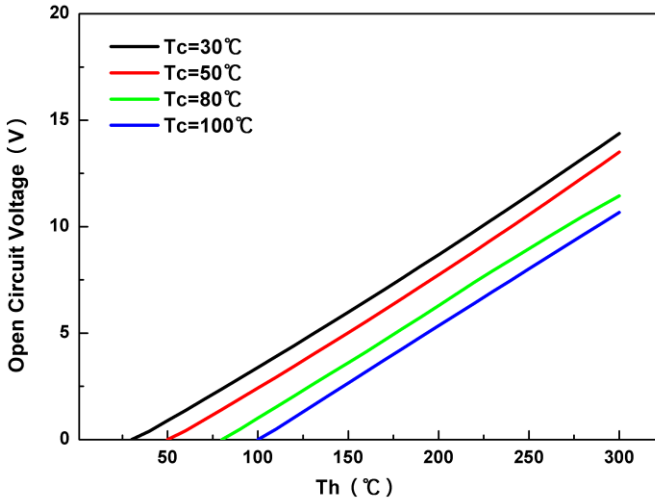


Cold Side Attached to Heat Sink for Heat Dissipation

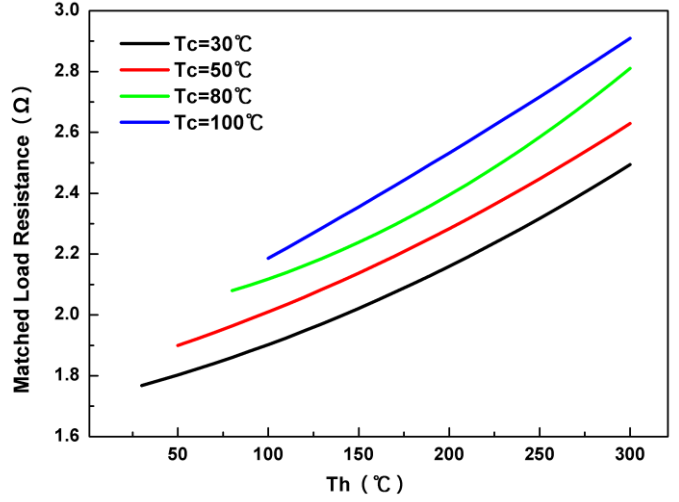
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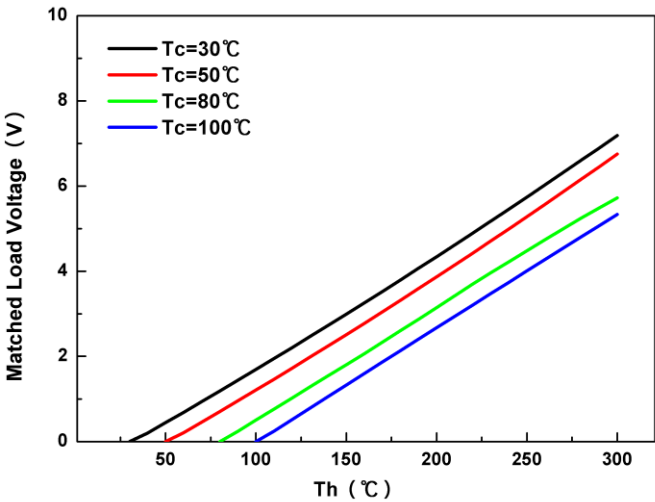
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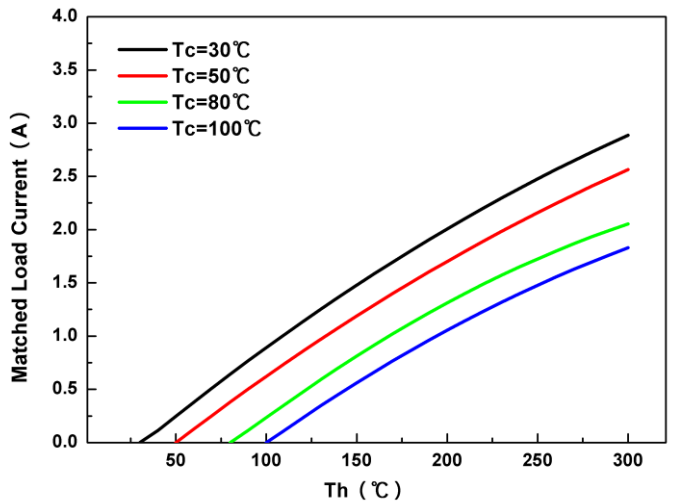
The chart for open circuit voltage Vs T_h under various T_c



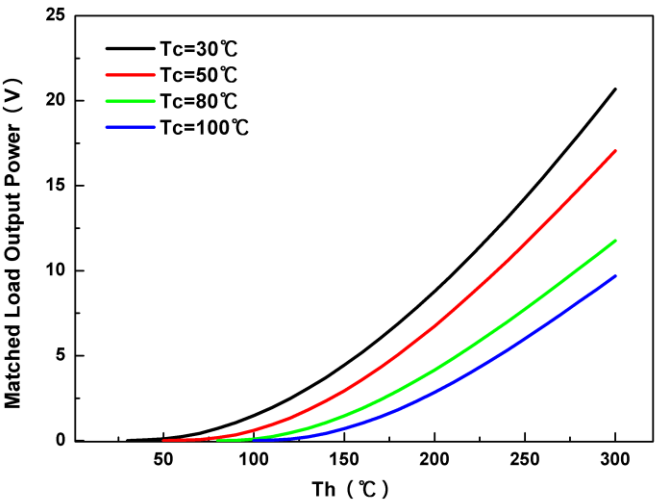
The chart for matched load resistance Vs T_h under various T_c



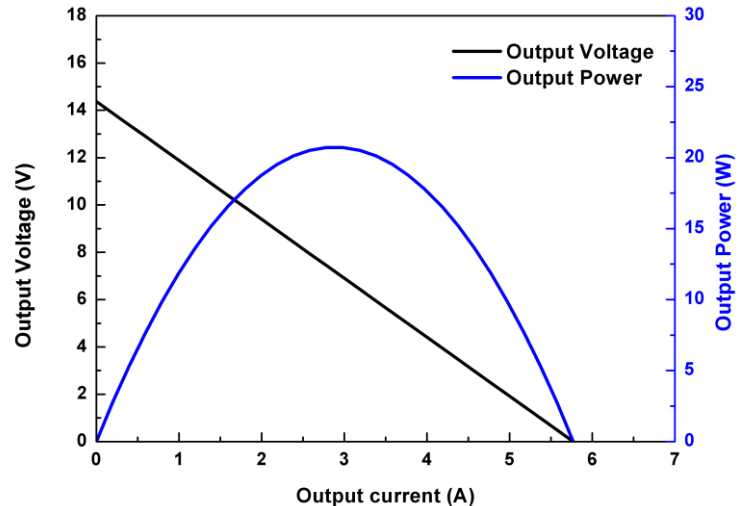
The chart for matched load voltage Vs T_h under various T_c



The chart for matched load current Vs T_h under various T_c



The chart for matched load output power Vs T_h under various T_c



The chart for output voltage and output power Vs output current under $T_h=300^\circ\text{C}$ and $T_c=30^\circ\text{C}$