

Thermoelectric module TMG-254-1.4-1.2

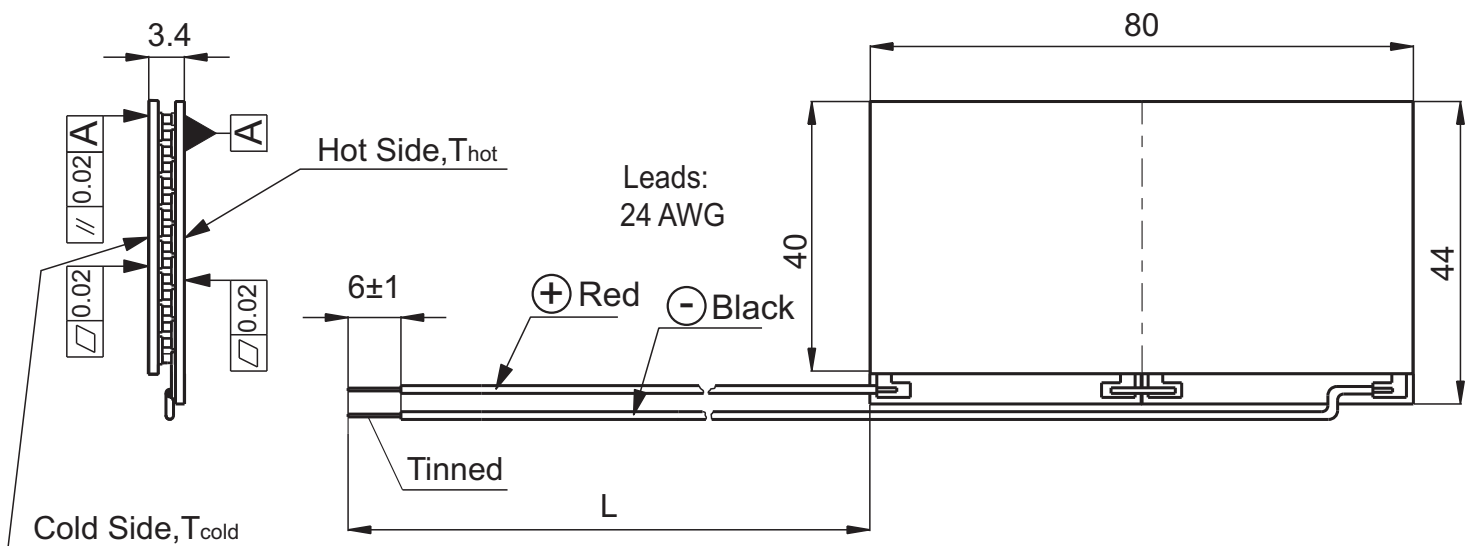


Performance Data

V _{oc} , V	13.2	T _{hot} =+175°C, T _{cold} =+50°C
V _{load} , V	6.6	
R _{load} , Ohm	4.4	
W _{load} , W	10.0	
R _{in} , Ohm	4.4	
Module AC resistance, Ohm	2.4	25 ± 0.5 °C

Tolerances for thermal and electrical parameters ± 10%

Dimensions in millimeters



L -upon customer request

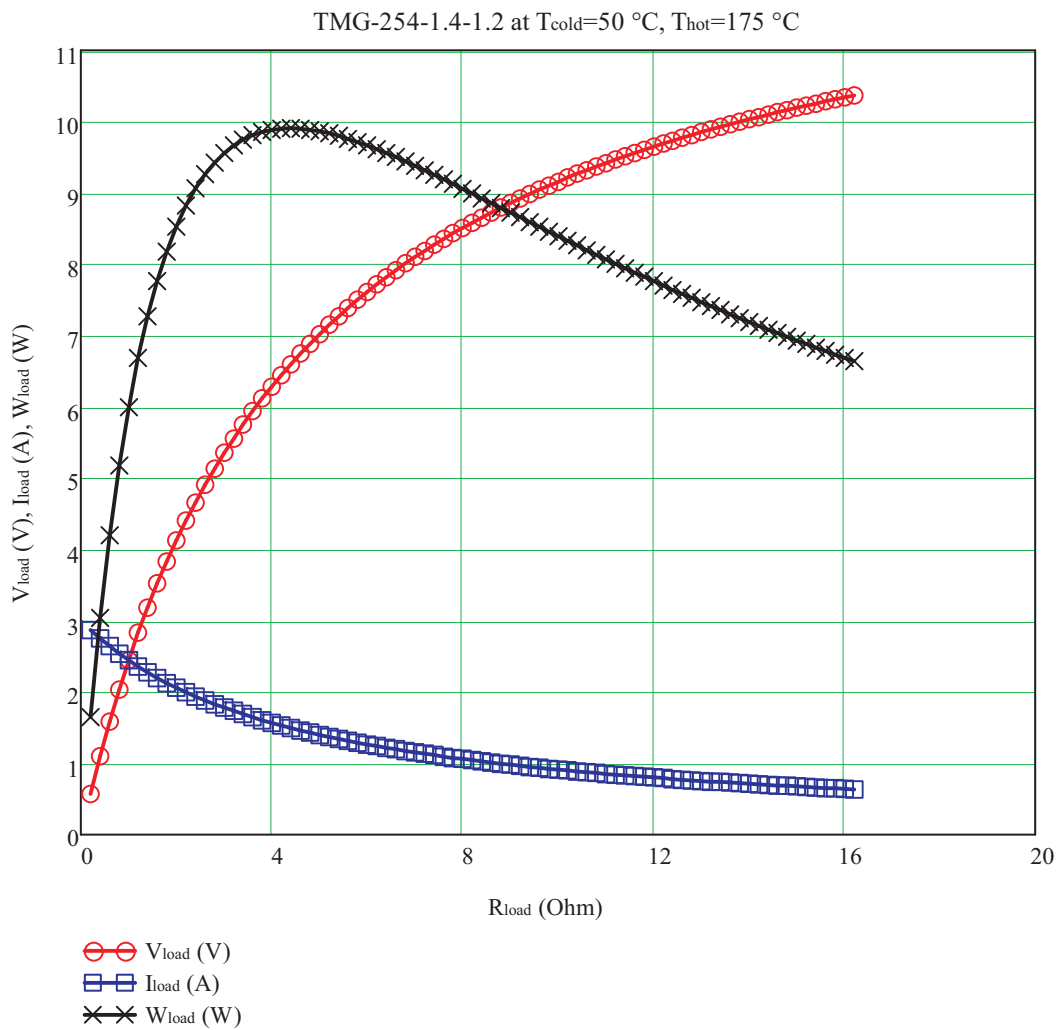
Options

Lead wire insulation	Maximum processing temperature
Silicone	180°C
PTFE	200°C

Additional

- RoHS 2002/95/EC compliant
- Cold Side and Hot Side Ceramics: Al₂O₃, white 96%
- Assembling Solder : SnSb , M. P. 232 °C ; SnCu , M.P. 227 °C

TMG-254-1.4-1.2 power generating TE module



1.3 W/ $^{\circ}\text{C}$ is a thermal conductance of the module at $T_{\text{cold}}=50\text{ }^{\circ}\text{C}$ and $T_{\text{hot}}=175\text{ }^{\circ}\text{C}$
 $V_{\text{oc}} = 13.2\text{ V}$ is an open circuit voltage,
 R_{load} is a load resistance, Ohm,
 W_{load} is an output power corresponded to load resistance R_{load} , W,
 V_{load} is an output voltage, corresponded to R_{load} , V.