

Thermoelectric module TMG-241-1.4-1.2

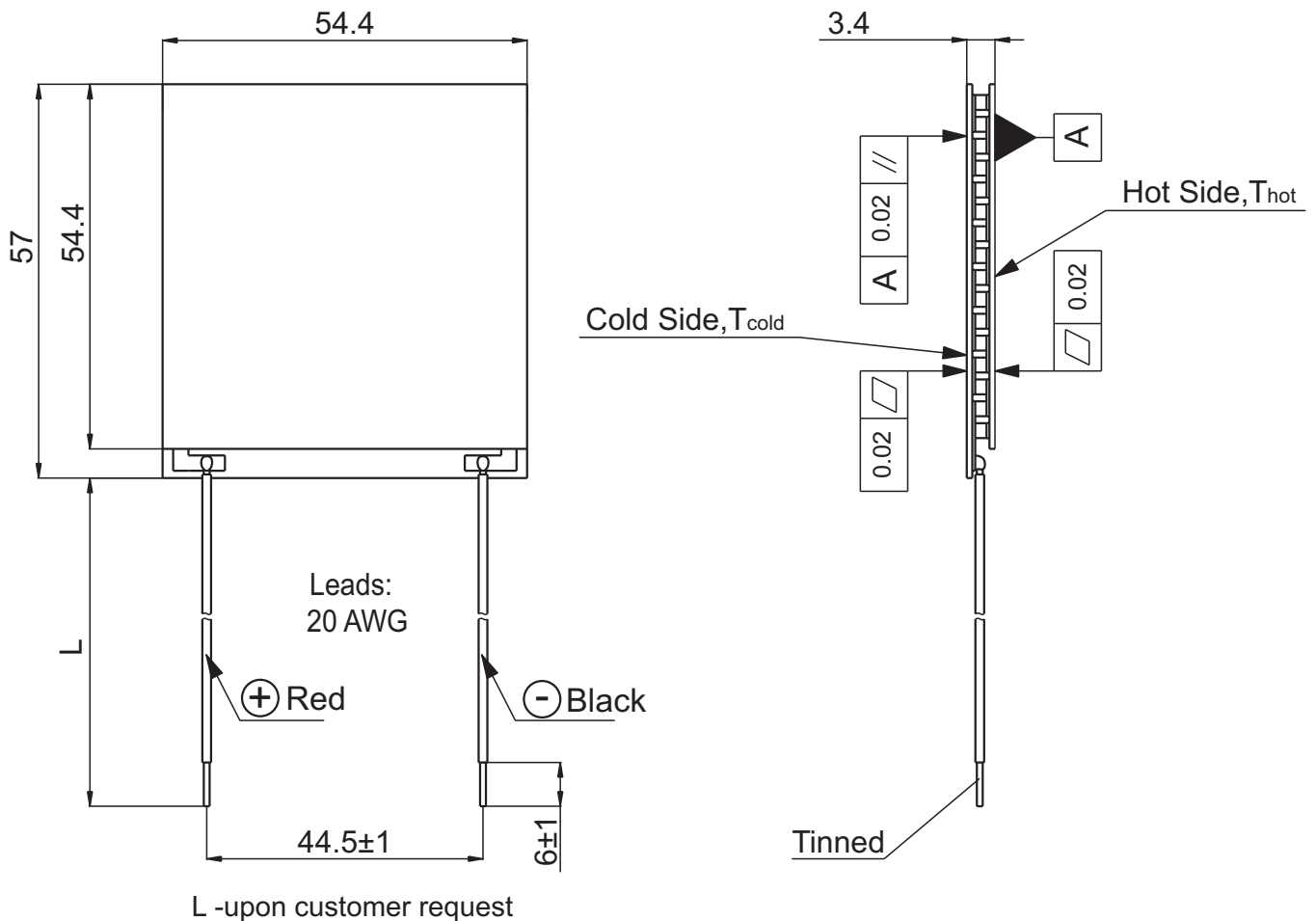


Performance Data

V_{OC}, V	12.5	$T_{hot}=+175^{\circ}C, T_{cold}=+50^{\circ}C$
V_{load}, V	6.3	
R_{load}, Ohm	4.2	
W_{load}, W	9.4	
R_{in}, Ohm	4.2	
Module AC resistance, Ohm	2.2	$25 \pm 0.5^{\circ}C$

Tolerances for thermal and electrical parameters $\pm 10\%$

Dimensions in millimeters



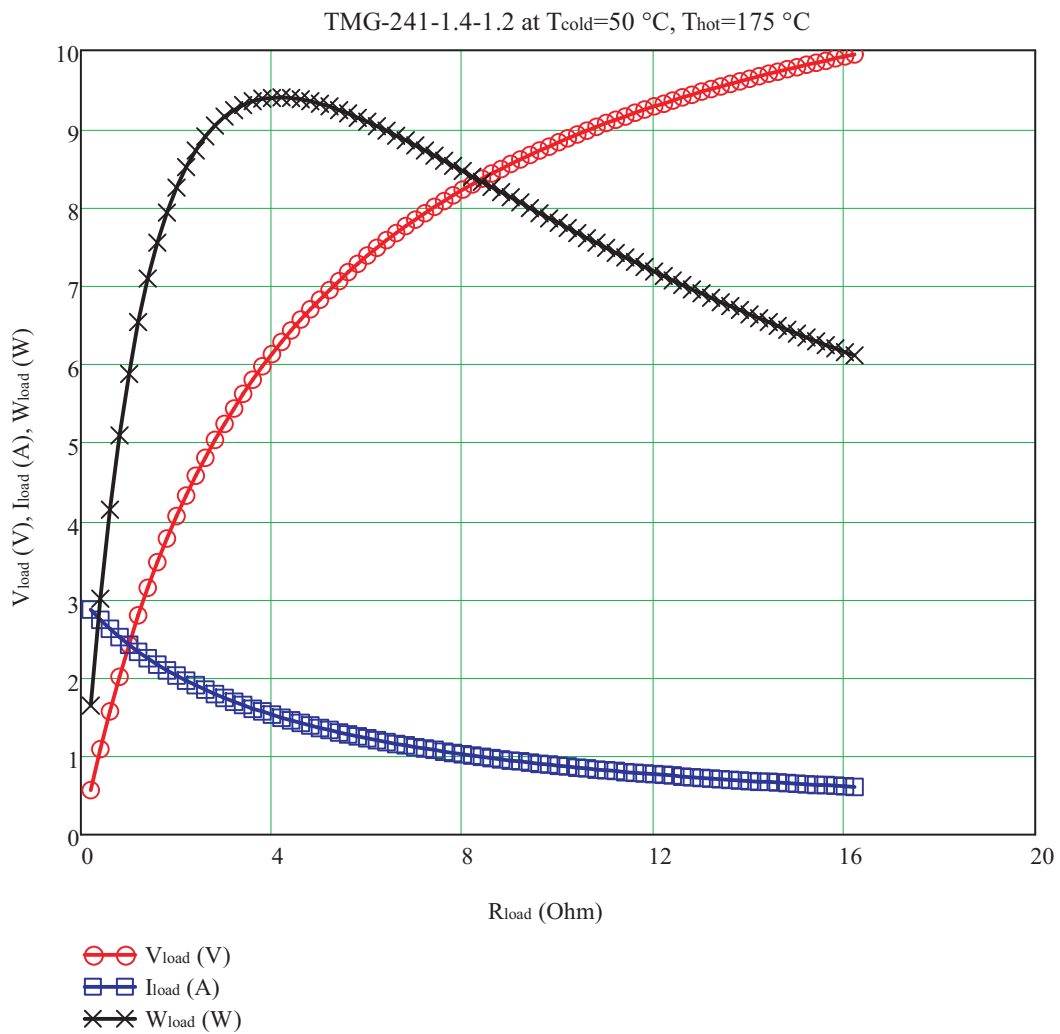
Options

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-241-1.4-1.2 power generating TE module



$1.28\text{ W}/^{\circ}\text{C}$ is a thermal conductance of the module at $T_{\text{cold}}=50\text{ }^{\circ}\text{C}$ and $T_{\text{hot}}=175\text{ }^{\circ}\text{C}$
 $V_{\text{oc}} = 12.5\text{ V}$ 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.