

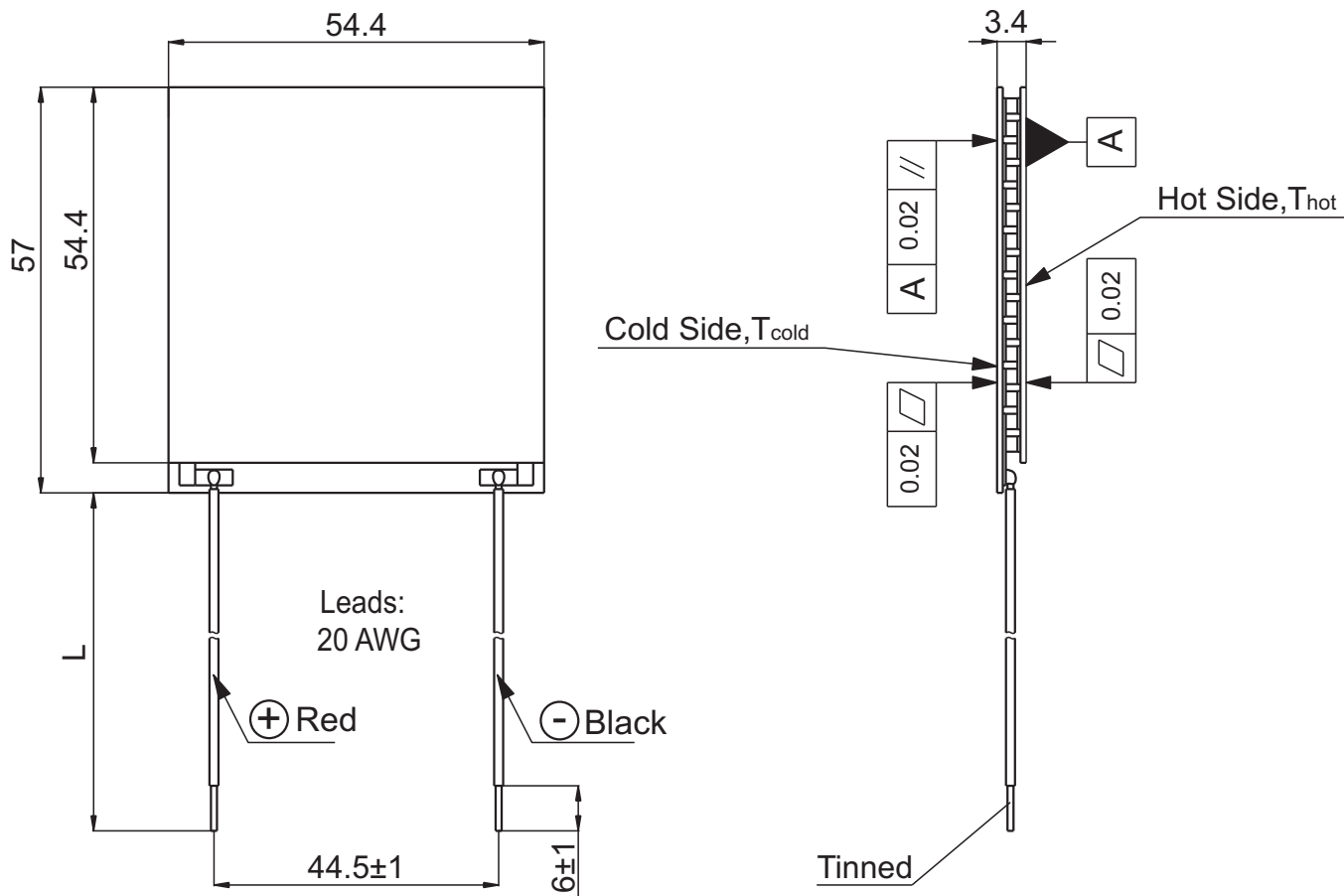
Thermoelectric module QCG-450-0.8-1.0

Performance Data

V_{OC} , V	23.4	$T_{hot}=+175^{\circ}\text{C}$, $T_{cold}=+50^{\circ}\text{C}$
V_{load} , V	11.7	
R_{load} , Ohm	20.0	
W_{load} , W	6.8	
R_{in} , Ohm	20.0	
Module AC resistance, Ohm	10.8	$25 \pm 0.5^{\circ}\text{C}$

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

Dimensions in millimeters



L - upon customer request

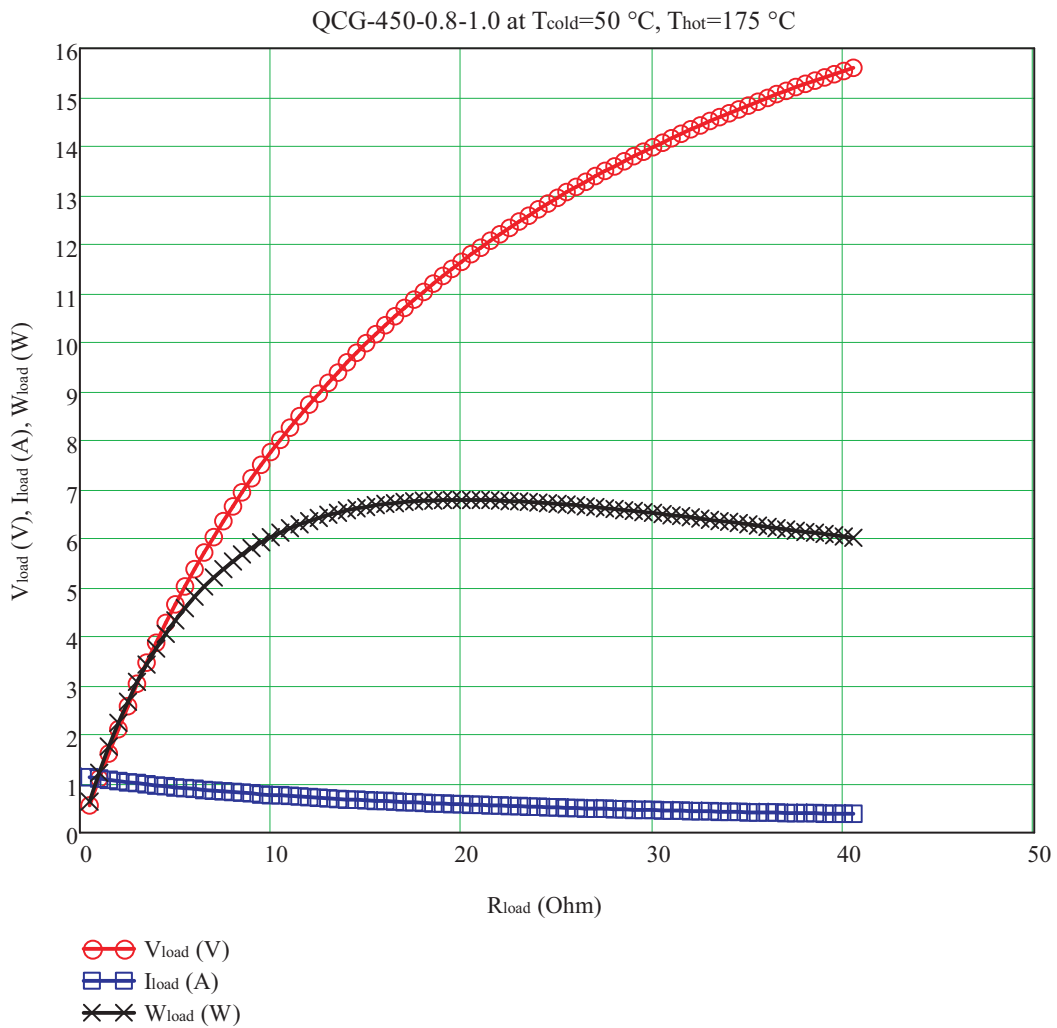
Options

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

Additional

- RoHS 2002/95/EC compliant
- Cold Side and Hot Side Ceramics: Al_2O_3 , white 96%
- Assembling Solder : SnSb , M. P. 232 °C ; SnCu , M.P. 227 °C

QCG-450-0.8-1.0 power generating TE module



0.93 W / $^{\circ}\text{C}$ is a thermal conductance of the module at $T_{\text{cold}}=50\text{ }^{\circ}\text{C}$ and $T_{\text{hot}}=175\text{ }^{\circ}\text{C}$
 $V_{\text{oc}} = 23.4\text{ V}$ 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.