

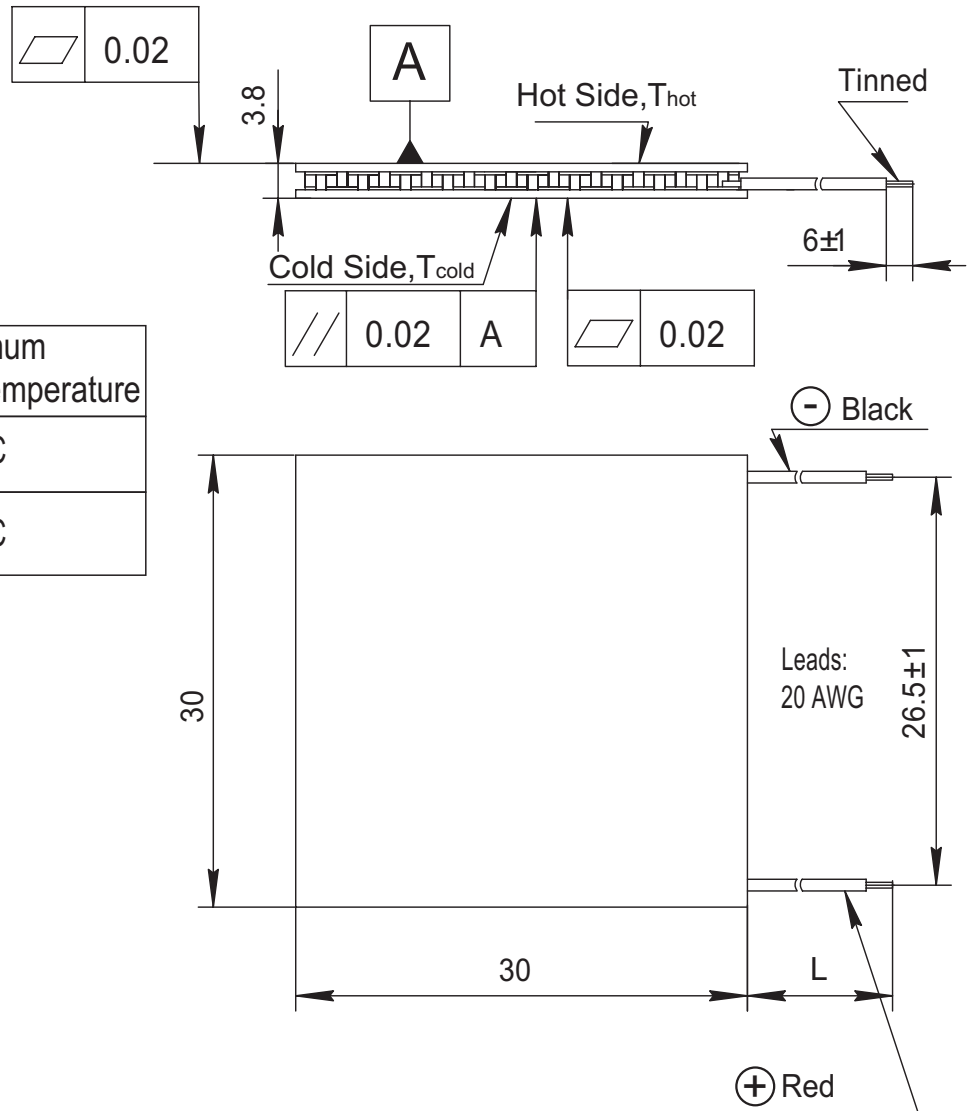
# Thermoelectric module QG-127-1.0-1.6

## Performance Data

$V_{oc}$ , V	6.6	$T_{hot}=+175^{\circ}\text{C}$ , $T_{cold}=+50^{\circ}\text{C}$
$V_{load}$ , V	3.3	
$R_{load}$ , Ohm	5.5	
$W_{load}$ , W	2.0	
$R_{in}$ , Ohm	5.5	
Module AC resistance, Ohm	2.9	$25 \pm 0.5^{\circ}\text{C}$

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

Dimensions in millimeters



## Options

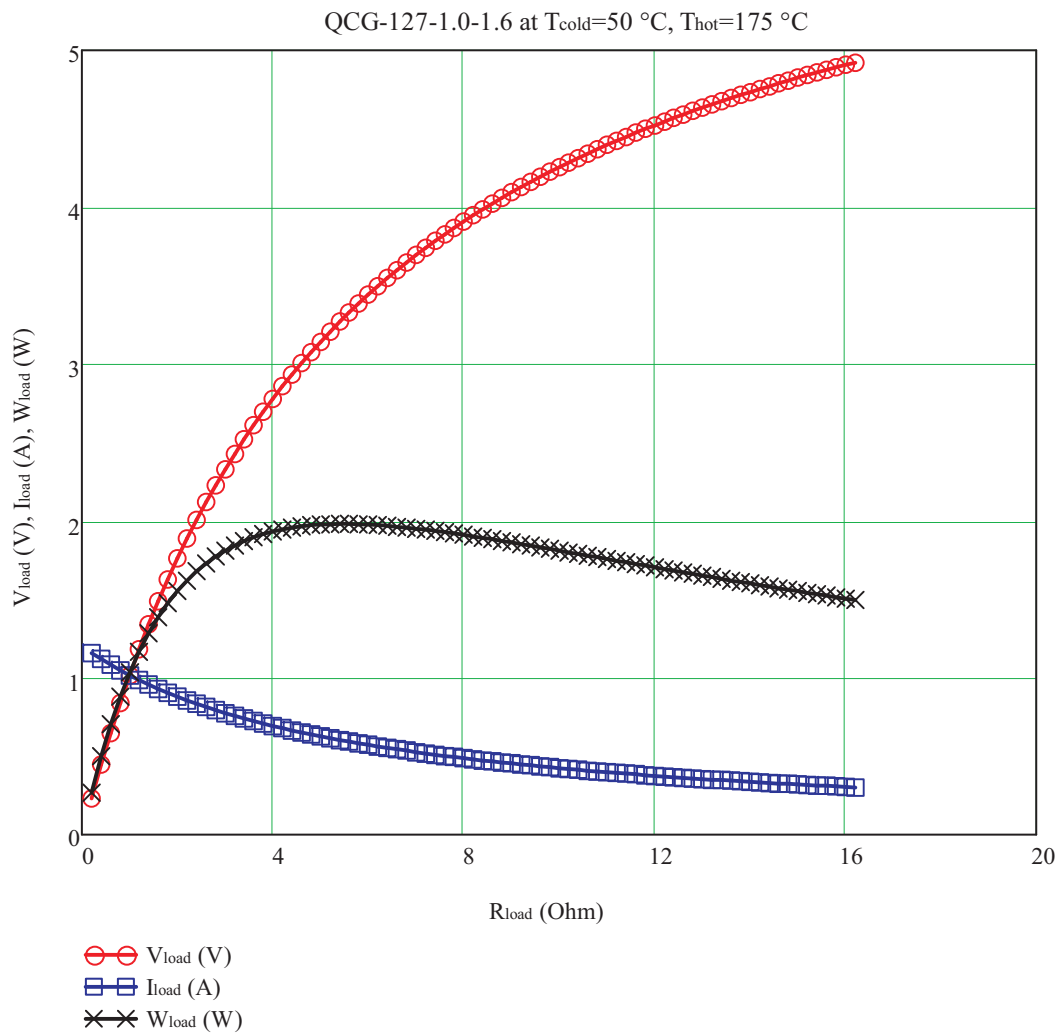
Lead wire insulation	Maximum processing temperature
Silicone	180°C
PTFE	200°C

## Additional

- RoHS 2002/95/EC compliant
- Cold Side and Hot Side Ceramics:  $\text{Al}_2\text{O}_3$ , white 96%
- Assembling Solder : SnSb , M. P. 232 °C ; SnCu , M.P. 227 °C

L - upon customer request

## QCG-127-1.0-1.6 power generating TE module



0.27 W/ $^{\circ}\text{C}$  is a thermal conductance of the module at  $T_{\text{cold}}=50\text{ }^{\circ}\text{C}$  and  $T_{\text{hot}}=175\text{ }^{\circ}\text{C}$   
 $V_{\text{oc}} = 6.6\text{ V}$  is an open circuit voltage,  
 $R_{\text{load}}$  is a load resistance, Ohm,  
 $W_{\text{load}}$  is an output power corresponded to load resistance  $R_{\text{load}}$ , W,  
 $V_{\text{load}}$  is an output voltage, corresponded to  $R_{\text{load}}$ , V.