

Thermoelectric module TMG-18-5.0-1.3

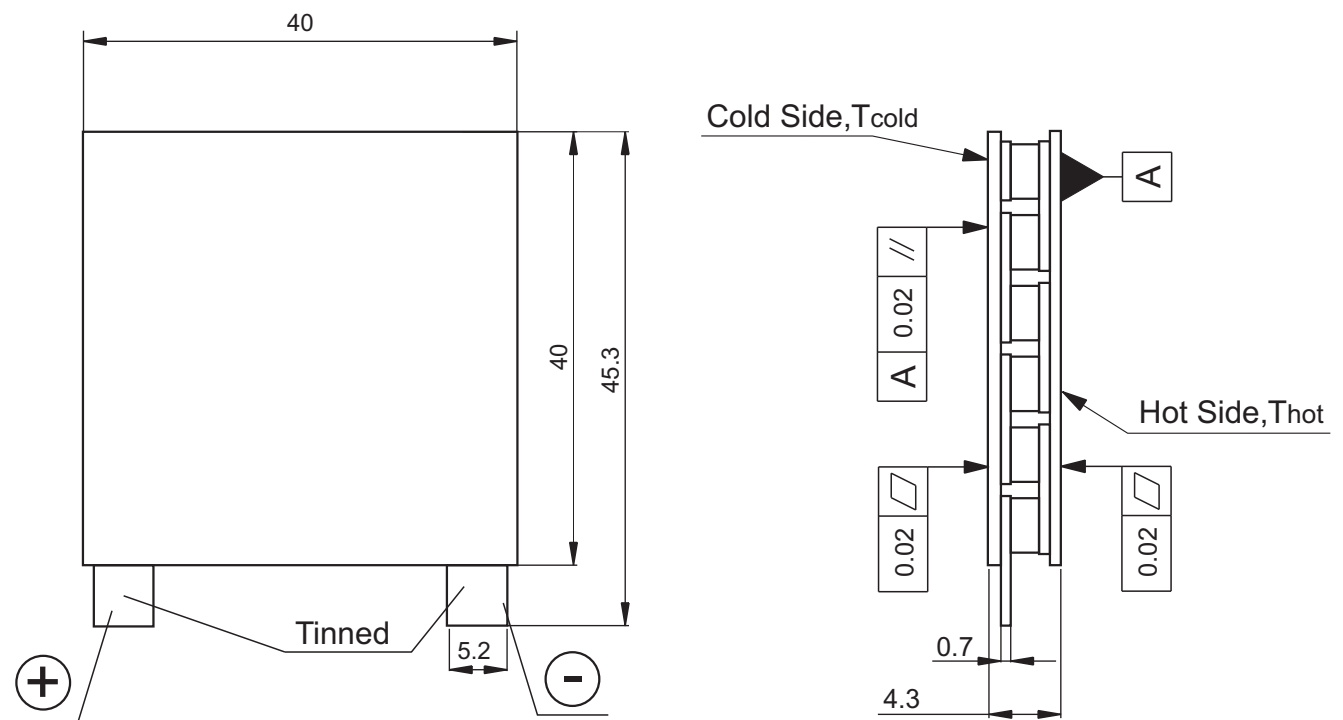


Performance Data

V_{OC}, V	0.94	$T_{hot}=+175^{\circ}C, T_{cold}=+50^{\circ}C$
V_{load}, V	0.47	
R_{load}, Ohm	0.034	
W_{load}, W	6.5	
R_{in}, Ohm	0.034	
Module AC resistance, Ohm	0.018	$25 \pm 0.5^{\circ}C$

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

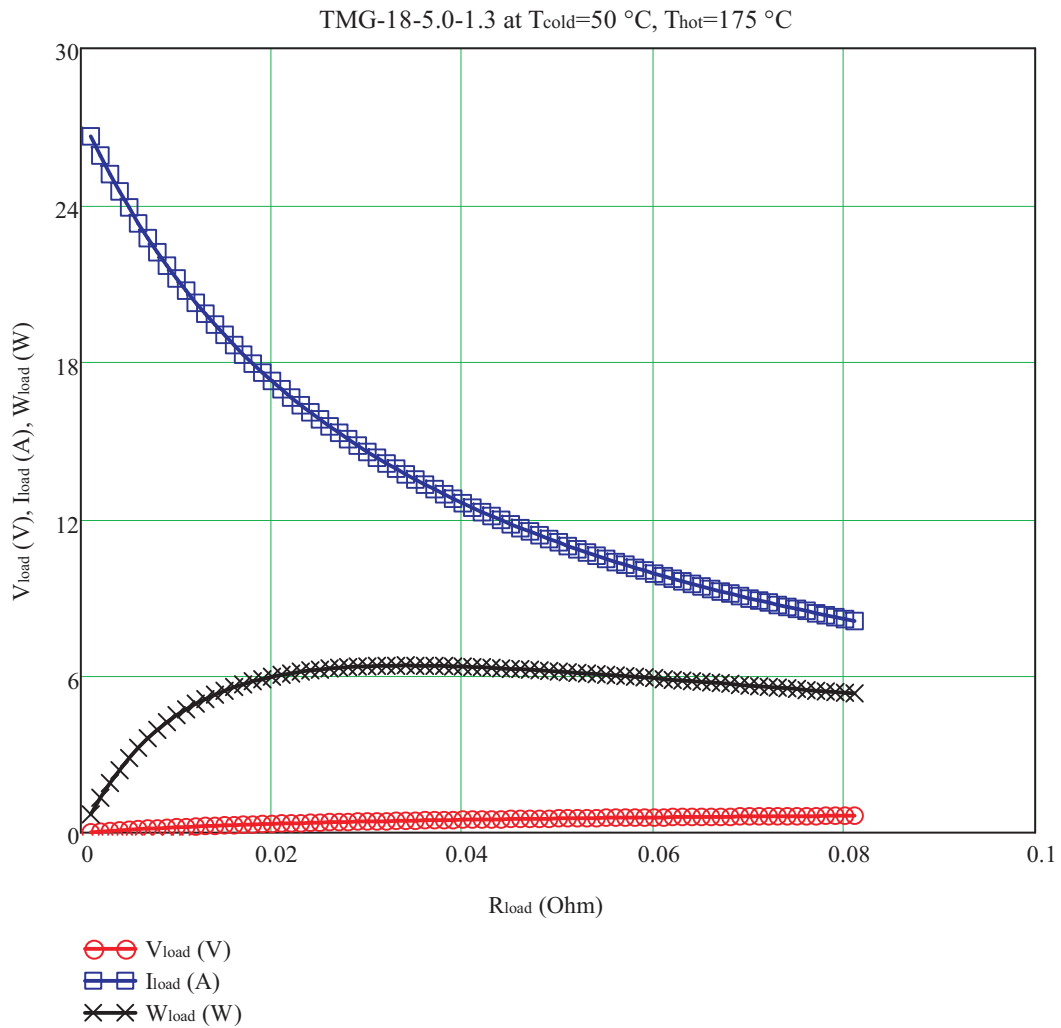
Dimensions in millimeters



Additional

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

TMG-18-5.0-1.3 power generating TE module



0.88 $\text{W}/^{\circ}\text{C}$ is a thermal conductance of the module at $T_{\text{cold}}=50\text{ }^{\circ}\text{C}$ and $T_{\text{hot}}=175\text{ }^{\circ}\text{C}$

$V_{\text{oc}} = 0.94\text{ V}$ 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.