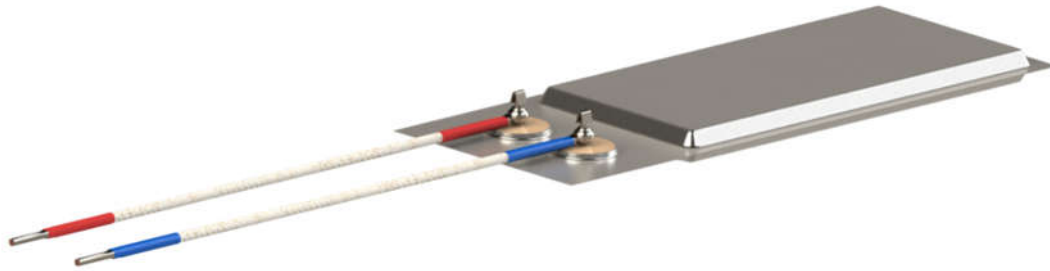


# SPECIFICATION OF THERMOELECTRIC GENERATING MODULE FOBOS-55



Thermoelectric parameters	Unit	Value
$P_{out}$	W	55
$I_{load}(R_L=R_I)$	A	11.0
$U_{load}(R_L=R_I)$	V	5.0
Tolerance	%	$\pm 10$
$R_i$	Ohm	0.4
<i>All parameters are given at <math>T_h=500\text{ }^\circ\text{C}</math>, <math>T_c=115\text{ }^\circ\text{C}</math></i>		

Operational parameters	Unit	Value
Working temperature	$^\circ\text{C}$	500
Assembly pressure (per one module)	kN	$35 \pm 5$
Weight (with wires)	kg	0.86

$T_h$  – hot surface mounting temperature  
 $T_c$  – cold surface temperature (at any condition must not exceed  $115\text{ }^\circ\text{C}$ )  
 $R_L$  – electric load resistance  
 $R_I$  – module internal resistance

