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THERMOELECTRIC POWER GENERATION MODULE

G-127-14-16-L-S

Parameter	Value
Resistance (R_{AC}) at $T = 25\text{ °C}$, Ohm	$1.40 \pm 10\%$
Internal Resistance at $T_{hot} = 150\text{ °C}$ and $T_{cold} = 50\text{ °C}$ ($\Delta T = 100\text{ °C}$), Ohm	$2.0 \pm 10\%$
Power at load resistance ($R_{load} = 2.0\text{ Ohm}$, $T_{hot} = 150\text{ °C}$ and $T_{cold} = 50\text{ °C}$ ($\Delta T = 100\text{ °C}$) not less, Watts	2.42
Voltage at load resistance ($R_{load} = 2.0\text{ Ohm}$, $T_{hot} = 150\text{ °C}$ and $T_{cold} = 50\text{ °C}$ ($\Delta T = 100\text{ °C}$) not less, Volts	2.20
Operation temperature range, °C	- 40 ÷ +150
Maximum temperature (short time), °C	170
Module dimensions (without wires), mm	40 x 40 ± 0.3
Module thickness, mm	3.90 ± 0.02
Nonparallelism, mm	0.02
Nonflatness, mm	0.02
Ceramics type	$Al_2O_3 \geq 96\%$
Lead wire length, trimmed end length, mm*	100 ± 5 // 10±3
Lead wire type: UL1332, AWG#20	
Module sealing	Silicone
PRODUCT IS COMPLIANT TO ROHS REQUIREMENTS	

* Trimmed ends are covered with Sn-Sb solder