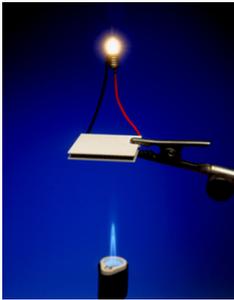


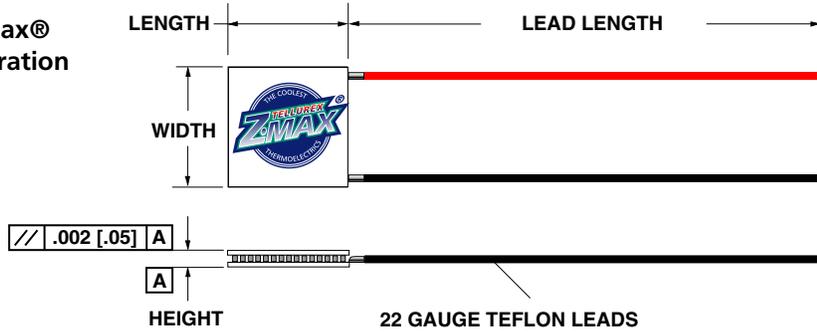


The Performance Leader in Thermoelectric Technology

ISO 9001:2000



**Tellurex Z-Max®  
Power Generation  
Modules**



All measurements in mm

Module Model No.	Power Generated (W)	Current (I)	Voltage (V)	Internal (R)	Length	Width	Height
<b>G1-1.0-127-1.27</b>	1.5 W	.5 A	2.8 V	5.2 Ohms	34.0	31.0	3.2
<b>G1-1.4-127-1.65</b>	2.3 W	.8 A	2.8 V	3.4 Ohms	40.0	40.0	3.7
<b>G1-1.4-127-1.14</b>	3.3 W	1.2 A	2.8 V	2.3 Ohms	44.0	40.0	3.2
<b>G1-1.4-219-1.14</b>	5.7 W	1.2 A	4.8 V	4.0 Ohms	54.0	54.0	3.2

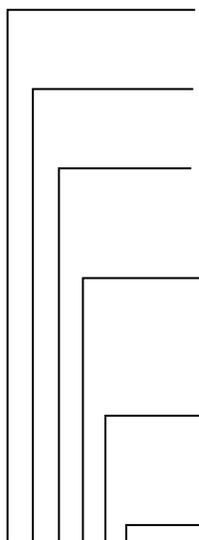
**NOTE: Maximum operating temperatures for Power Generation modules is 175 deg C.**

Given conditions for the modules shown above are: THot=150 DegC, TCold=50 DegC, RLoad=RInternal. Matching load to internal resistance gives maximum power generated for THot and TCold conditions. Internal resistance changes as temperature changes.

**Z-Max Power Generation Modules** make powering electric devices in remote locations possible.

Propane gas or waste heat provides the heat source and the high-temperature Z-Max module generates enough electricity to run a variety of products from insect eradication devices to telecommunications equipment. Each application is unique and therefore the potential user of this technology should contact one of our application engineers to help you design your system.

**Z-Max®  
Thermoelectric  
Power Generation  
Module Options:**



**Hook Up Wire**

- W Standard, 12" Standard Length, 18 or 22 gauge
- S Optional, For Other Lengths, Specify Length in Whole Inches

**Hook Up Wire Insulation**

- T Standard, Teflon insulation

**Moisture Protection (not normally used for power generation)**

- N Standard, No Moisture Protection
- P Optional, Epoxy/Edge, Usable Temperature Range: -60 to 100 Degrees C
- C Optional, Conformal Coat, Usable Temp. Range: -55 to 150 Degrees C

**Electrical Ends**

- 1 Standard, 1/2" Stripped Wire Ends
- 2 Optional, Molex Connector 2 Pin, Part No. KK Series .156"
- 3 Optional, Amp Connector 2 Pin, Part No. 770849-2
- 4 Optional, Customer Provided Connector

**Graphite Foil/Thermal Interface Pad**

- N Standard No Graphite Foil
- G Optional, Both Sides, 127 Pellet Modules
- E Optional, Both Sides, 219 Module

**Height Matching**

- N Standard, No Height Matching
- H Optional, Lapping, Close Height Matching +/- 0.025mm

**Module Specification  
Example:**

**G1-1.0-127-1.27-WTN1GH**