



# Power Generating Modules

## PGL-79-150

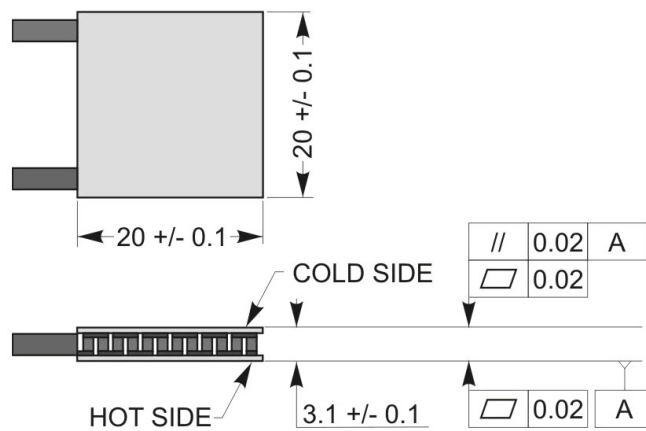
ENGINEERING & PRODUCTION



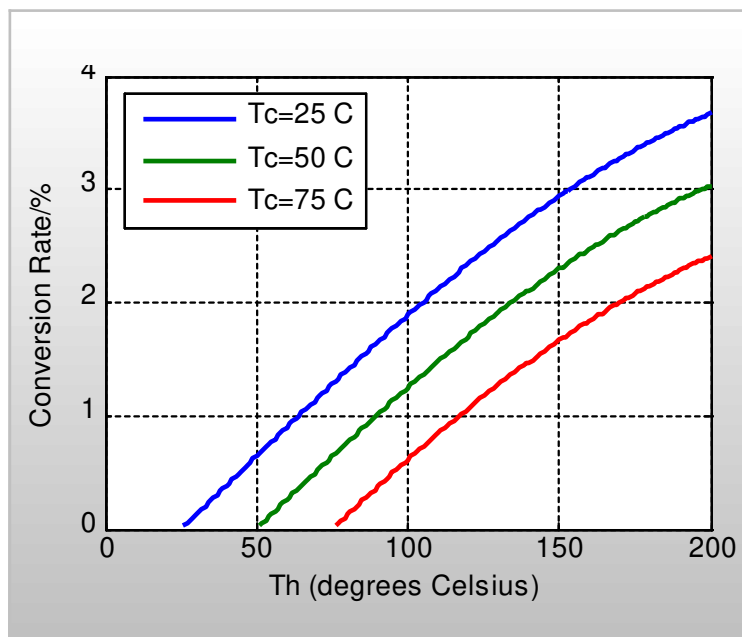
### Performance specifications

|                           |      |           |
|---------------------------|------|-----------|
| Hot Side Temperature, C   | 150  | -5        |
| Cold Side Temperature, C  | 50   | $\pm 5$   |
| Thermal conductivity, W/K | 0.36 | 0.1       |
| Heat Flux, W              | 36   | 10        |
| Power, W                  | 0.82 | Min.      |
| Load Voltage, V           | 1.3  | $\pm 0.2$ |
| Internal Resistance, Ohm  | 2.0  | $\pm 0.1$ |
| Current, A                | 0.63 | $\pm 0.1$ |
| Opened Circuit Voltage, V | 2.6  | $\pm 0.5$ |

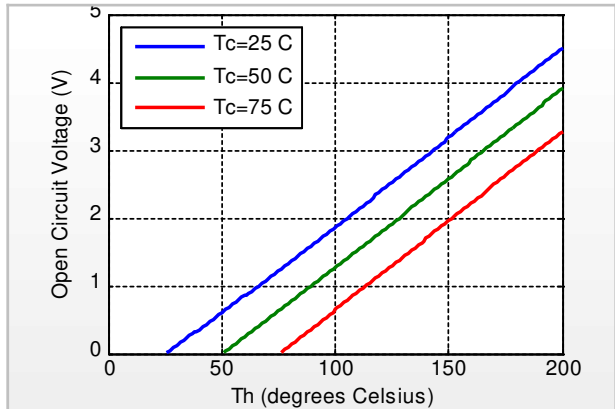
### Drawing



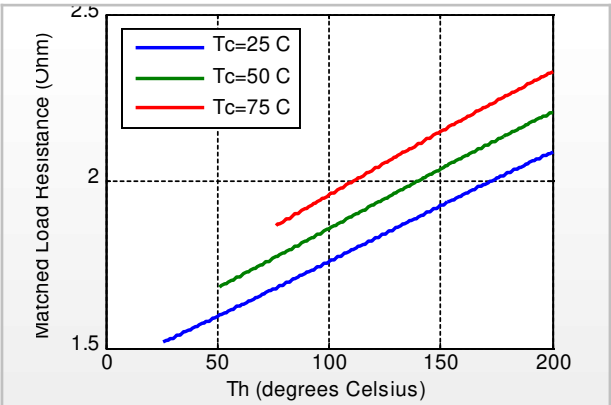
### Conversion Rate of the modules Vs Th under various Tc



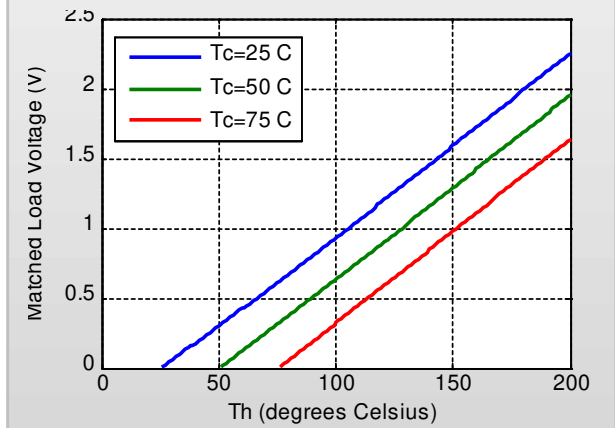
# Performance Curves of the Module PGL-79-180-150



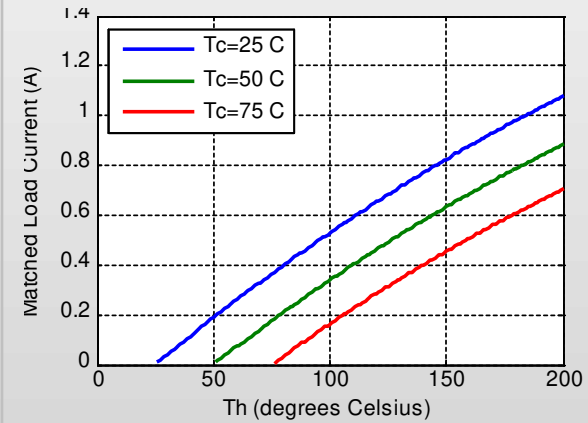
The chart for open circuit voltage Vs Th under various Tc



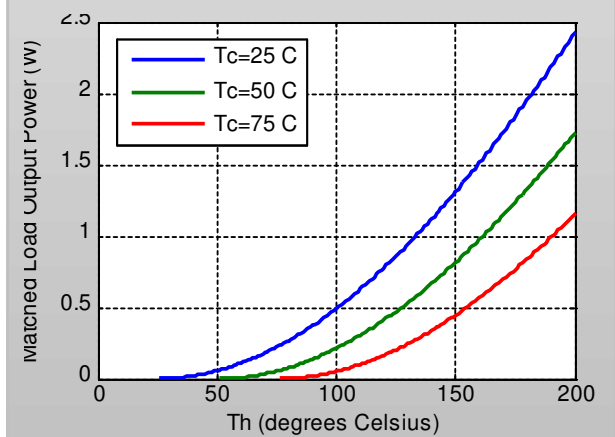
The chart for matched load resistance Vs Th under various Tc



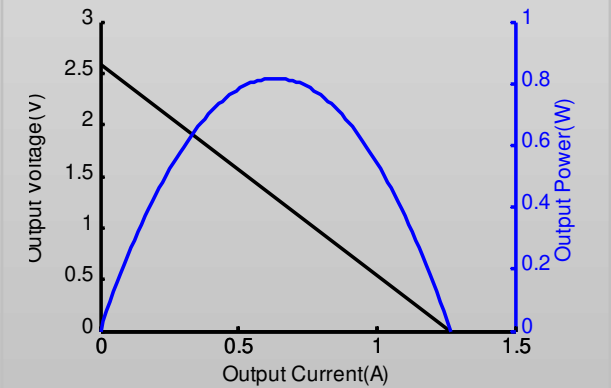
The chart for matched load voltage Vs Th under various Tc



The chart for matched load current Vs Th under various Tc



The chart for matched load output power Vs Th under various Tc



The chart for output voltage and output power Vs output current under Th=150 C and Tc=50 C

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