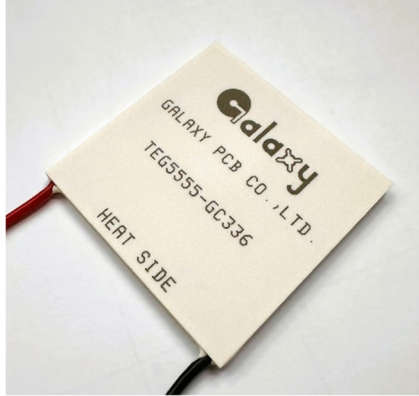


# Technical Data Sheet for TEG5555 – GC336

## Thermoelectric Generator Ceramic Module



### NOMINAL PERFORMANCE & FEATURES

- Working Temperature : -20 °C~220 °C
- AC Resistance : 2.8 Ω ± 10% (at 25°C)
- Working Humidity : 10~70%
- RoHS EU Compliant
- High Strength for Rugged Environment
- Alumina (Al<sub>2</sub>O<sub>3</sub>, white 96%) Substrate

### INSTALLATION

Recommended mounting methods: Clamp or screw with uniform pressure to a flat surface with thermal interface material. Recommended 1MPa (145 psi) with thermal grease or flexible graphite pads.

### OPERATION CAUTIONS

For maximum reliability, continuous operation below 200°C (cold side and hot side) is recommended. Intermittent operation up to 230°C on the hot side of TEG is permissible.

### POWER GENERATION PERFORMANCE

Laboratory Test for Delta 200°C

- Open Circuit Voltage, VOC: 17.2V
- Closed Circuit Current: 1.84A
- Optimum Power: 7.9W

Real World Test for Delta 200°C

Hot Side Temperature (°C)	230°C
Cold Side Temperature (°C)	30°C
Open Circuit Voltage (V)	14V
Matched Load R (Ω)	7Ω
Matched Voltage (V)	7V
Matched Current (A)	1A
Matched Power (W)	7W
Rac under 25°C at 1000Hz	2.6~3.0Ω

### MECHANICAL CHARACTERISTICS

Unit: mm

