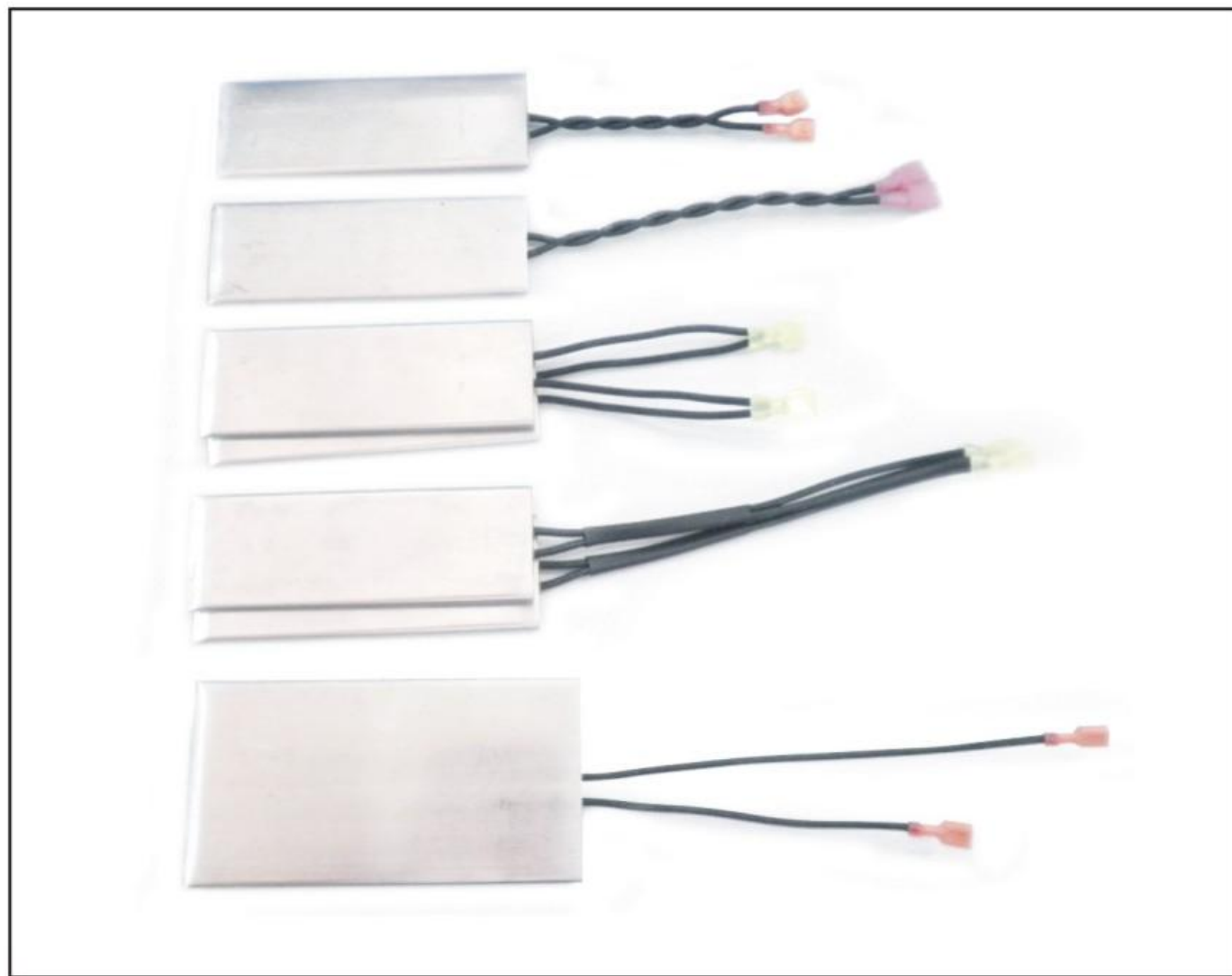
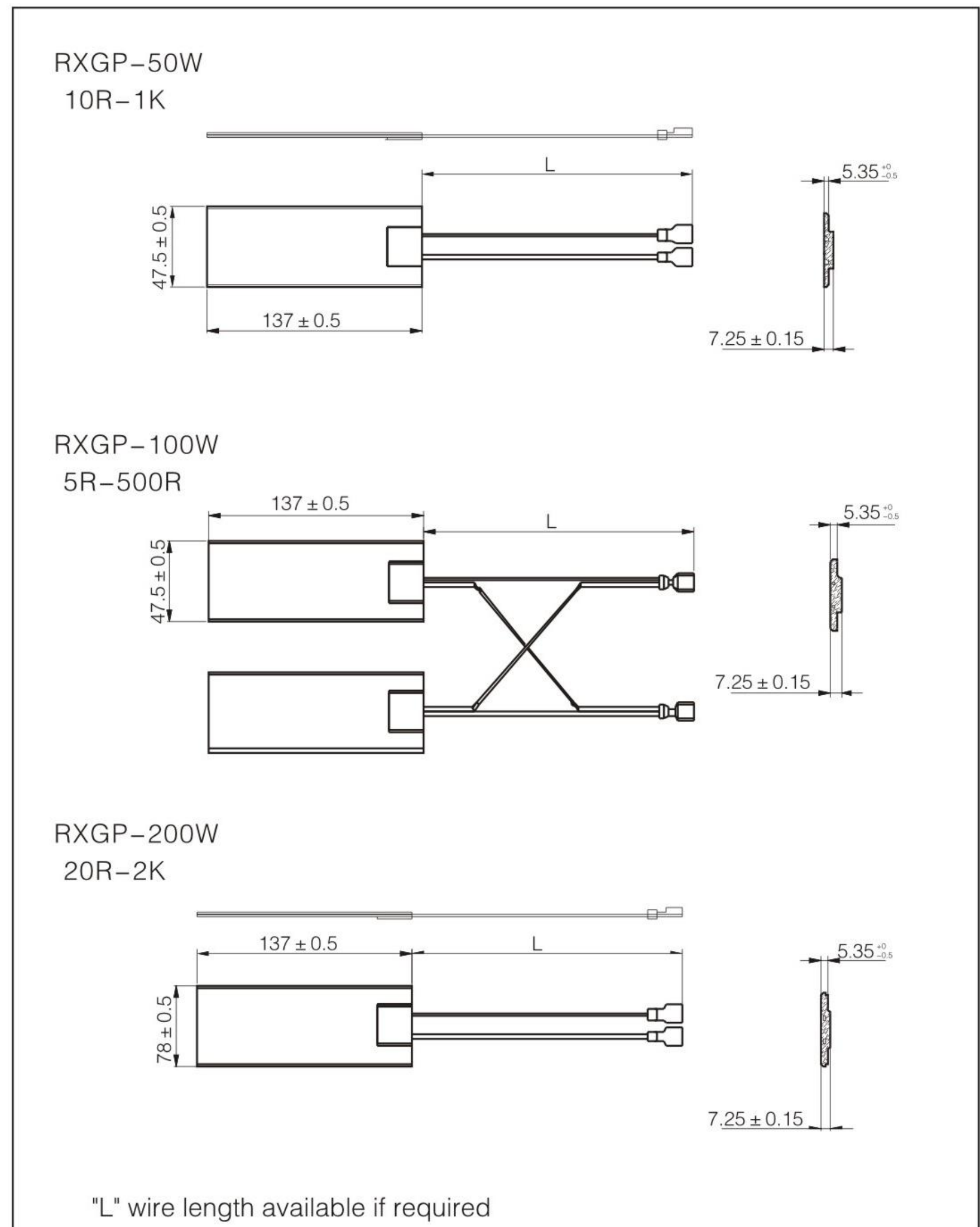


RXGP

stainless steel shell encased wire-wound resistors



Construction(mm)



Features

- Small size, easily mounted
- Excellent high temperature load performance
- High voltage available, good power load performance
- Use excellent mica segment as frame work, 304 stainless steel shell covered whole resistor element
- Imported material sealed, excellent insulation

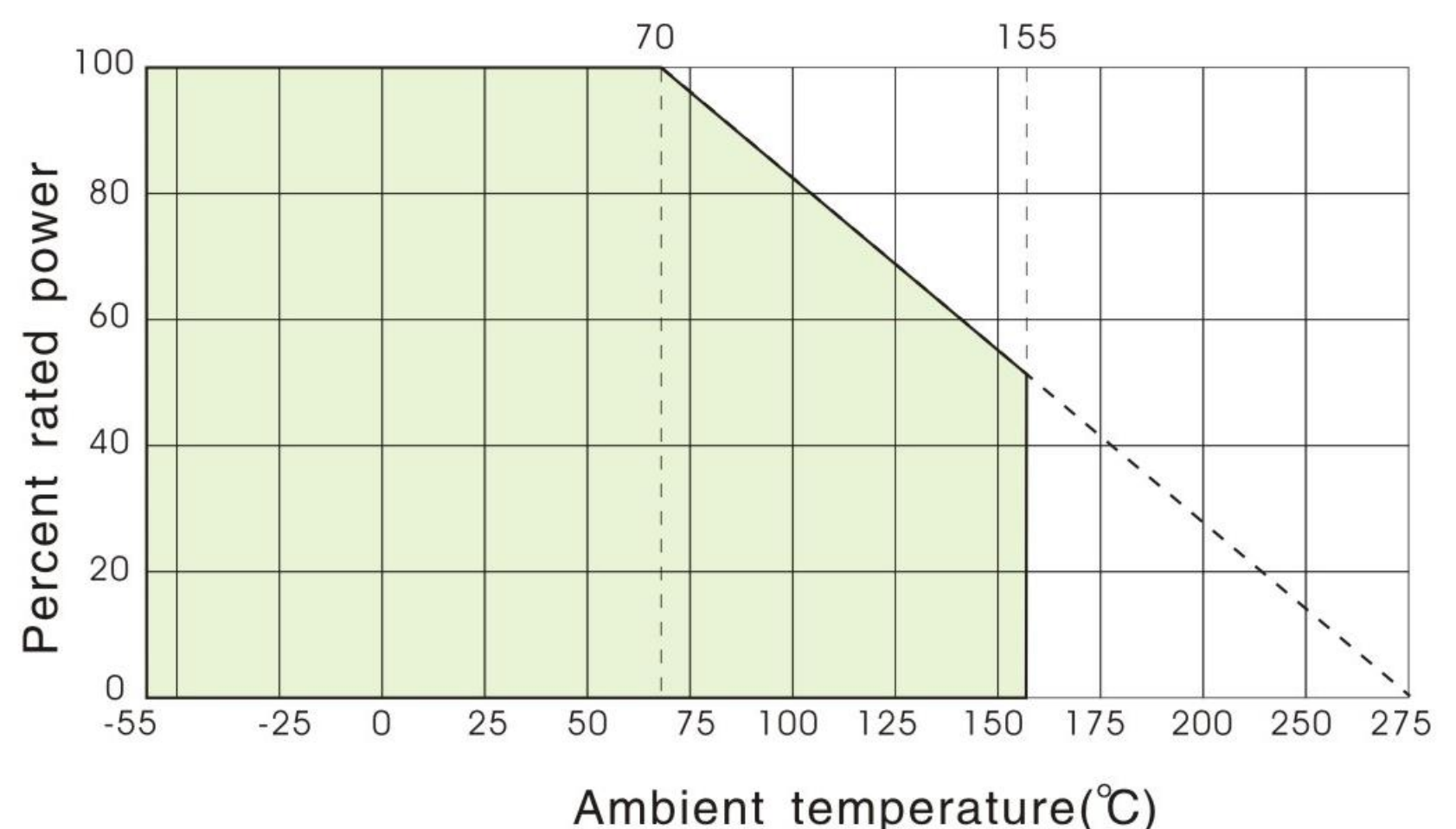
Dimensions(mm)

Dimensions as above instruction, other size also available if required

Applications

- Mostly used in all kinds of frequency inverter, power supply equipment, experiment circuit etc.
- Safty and reliability in high temperature and humidity.

Derating Curve



Reference Standards

Q/ATK079-2012

Technical Specifications

| Type | Rated Power (W) | TCR ($10^{-6}/K$) | Resistance Range | Rating Ambient Temp | Operating Temp Range |
|-----------|-----------------|---------------------|------------------|---------------------|----------------------|
| | | | J ($\pm 5\%$) | | |
| RXGP-50W | 50 | ± 250 | 10R~1K | 70°C | -55°C/+155°C |
| RXGP-100W | 100 | | 5R~500R | | |
| RXGP-200W | 200 | | 20R~2K | | |

Please contact us for special requirement about resistance, size and specification

Performance

| Test Item | Specifications | Test Methods |
|--------------------------|---|--|
| Short time overload | $\Delta R \leq \pm (1\%R + 0.05\Omega)$ | $10P_R, 5S$ |
| Leaching | $\Delta R \leq \pm (1\%R + 0.05\Omega)$ | $350 \pm 10^\circ C, 3.5 \pm 0.5S$ |
| Endurance | $\Delta R \leq \pm (5\%R + 0.1\Omega)$ | $15^\circ C \sim 35^\circ C, P_R, 1000h$ |
| Vibration | $\Delta R \leq \pm (5\%R + 0.1\Omega)$ | $10Hz \sim 50Hz \sim 10Hz, 2h$ |
| Surface temperature rise | $\leq 250^\circ C$ | P_R |
| Hipot | No electric breakdown or arcover | $3000VAC, 2mA, 1min$ |

How to Order

Example

| | | | | | |
|------|---------------------|---------------|------------------------|----------------------|-----------|
| RXGI | 100W | 100Ω | $\pm 5\%$ | $\pm 250(10^{-6}/K)$ | box |
| Type | Power | Nominal Value | Tolerance | TCR | Packaging |
| RXGI | 50W 100W 200W | 100Ω | $\pm 2\%$ $\pm 5\%$ | $\pm 250(10^{-6}/K)$ | box |