**RGH series, high-power and high-precision metal film chip resistors**

- Resistors with high power in small size are realized as 1/6W for 1.6 × 0.8mm (0603), 1/4W for 2.0 × 1.25mm (0805) size and 1/8W for 1.0 × 0.5mm (0402) size.
- Tight resistance tolerance of ±0.1% and temperature coefficient of resistance of ±25ppm/°C are achieved.
- Operating temperature range: −55~155°C

### SPECIFICATIONS

#### Mechanical

<table>
<thead>
<tr>
<th>Dimension (Inch Size)</th>
<th>RGH1005-2B (0402)</th>
<th>RGH1608-2C (0603)</th>
<th>RGH2012-2E (0805)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>1.0 ± 0.05</td>
<td>1.6 ± 0.2</td>
<td>2.0 ± 0.2</td>
</tr>
<tr>
<td>W</td>
<td>0.5 ± 0.05</td>
<td>0.8 ± 0.2</td>
<td>1.25 ± 0.2</td>
</tr>
<tr>
<td>A</td>
<td>0.2 ± 0.10</td>
<td>0.3 ± 0.2</td>
<td>0.4 ± 0.2</td>
</tr>
<tr>
<td>B</td>
<td>0.25 ± 0.05</td>
<td>0.3 ± 0.2</td>
<td>0.4 ± 0.2</td>
</tr>
<tr>
<td>T</td>
<td>0.35 ± 0.05</td>
<td>0.4 ± 0.1</td>
<td>0.4 ± 0.1</td>
</tr>
</tbody>
</table>

( unit: mm)

#### Electrical

- **Type**
  - RGH1005-2B
  - RGH1608-2C
  - RGH2012-2E

- **Power**
  - 1/8W
  - 1/6W
  - 1/4W

- **Tolerance % (code)**
  - ±0.1%(B), ±0.5%(D)
  - ±0.5%(D), ±0.1%(B)
  - ±0.1%(B), ±0.5%(D)

- **Resistance range (Ω)**
  - 47~100k
  - 47~360k
  - 47~470k

- **TCR ppm/°C (code)**
  - ±25ppm/°C(P)
  - ±25ppm/°C(P)
  - ±25ppm/°C(P)

- **Max Operating Voltage**
  - 75V
  - 100V
  - 125V

- **Resistance value**
  - E-24, E-96
  - E-24, E-96
  - E-24, E-96

- **Operating Temp. Range**
  - −55~155°C
  - −55~155°C
  - −55~155°C

- **Package**
  - 10,000pcs/reel
  - 5,000pcs/reel
  - 5,000pcs/reel

- **NEW**
  - RGH1608 with 1/5W power consumption are available to meet your needs.

### PART NUMBER

RGH 1005-2B - P - 102 - B

- Resistance Tolerance
- Resistance (E-24 in a 3 digit, E-96 in a 4 digit)
- Temperature coefficient of resistance
- Power (2B for 1/8W, 2C for 1/6W, 2E for 1/4W)
- Dimension
- Part Code