Micro-strain Measuring Gages

KSN

Self-temperature-compensation Semiconductor Gages

The KSN gages use an n-type silicon for the resistive element to control the resistance temperature coefficient of the material according to the linear expansion coefficient of the measuring object. Thus, thermally-induced resistance change is minimized.

KSN Gages • Uniaxial 120Ω

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Leadwire Cable – Type and Shape</th>
<th>Operating Temp. Range</th>
<th>Leadwire Length</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>KSN-2-120-E3-11</td>
<td>Silver-clad copper wires</td>
<td>-50 to 150°C</td>
<td>25mm</td>
<td>KSN-2-120-E3-11</td>
</tr>
</tbody>
</table>

Uniaxial

- Gage Factor: Approx. -100
- Base Size: 5 x 3 mm
- Gage Length: 2 mm
- Gage Resistance: 120Ω
- Pieces per Pack: 4
# KSN Gages  ● Uniaxial 120Ω/Biaxial 120Ω/Uniaxial 350Ω

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<tr>
<td>KSN-2-120-E4-11 16</td>
<td>Silver-clad copper wires</td>
<td>-50°C to 150°C</td>
<td>25mm</td>
<td>KSN-2-120-E4-11</td>
</tr>
<tr>
<td>KSN-2-120-E5-11 16</td>
<td>Oxgen-free tin-plated copper wires</td>
<td>-50°C to 150°C</td>
<td>40mm</td>
<td>KSN-2-120-E5-11</td>
</tr>
<tr>
<td>KSN-2-120-F3-11 16</td>
<td>Silver-clad copper wires</td>
<td>-50°C to 150°C</td>
<td>25mm</td>
<td>KSN-2-120-F3-11</td>
</tr>
<tr>
<td>KSN-6-350-E4-11 16</td>
<td>Silver-clad copper wires</td>
<td>-50°C to 150°C</td>
<td>25mm</td>
<td>KSN-6-350-E4-11</td>
</tr>
</tbody>
</table>

## Uniaxial

- **Gage Factor**
  - Approx. -100

- **Base Size**
  - 7.5 x 4 mm

- **Gage Length**
  - 2 mm

- **Gage Resistance**
  - 120Ω

- **Pieces per Pack**
  - 4

## Biaxial, 0°/90°

- **Gage Factor**
  - Approx. -100

- **Base Size**
  - 11 mm φ

- **Gage Length**
  - 2 mm

- **Gage Resistance**
  - 120Ω

- **Pieces per Pack**
  - 2

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