



Micro-strain Measuring Gages

KSN

● Applicable Linear Expansion Coefficients 11, 16

● Self-temperature-compensation Range 20 to 70°C

Applicable Adhesives and Operating Temperature Ranges

PC-12: -50 to 150°C

CC-33: -50 to 120°C

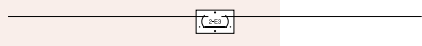
EP-17: -50 to 150°C

(Applicable only for E5 type)

■ 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.

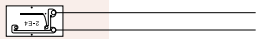
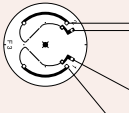
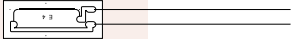
KSN Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
 <p>KSN-2-120-E3-11 16</p>	Silver-clad copper wires	-50 to 150°C	25mm	KSN-2-120-E3-11

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

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
 <p>KSN-2-120-E4-11 16</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Gage Factor: Approx. -100 ● Base Size: 7.5 x 4 mm ● Gage Length: 2 mm ● Gage Resistance: 120Ω ● Pieces per Pack: 4 	Silver-clad copper wires	-50 to 150°C	25mm	KSN-2-120-E4-11
<p>KSN-2-120-E5-11 16</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Gage Factor: Approx. -110 ● Gage Length: 2 mm ● Gage Resistance: 120Ω ● Pieces per Pack: 4 	Oxygen-free tin-plated copper wires	-50 to 150°C	40mm	KSN-2-120-E5-11
 <p>KSN-2-120-F3-11 16</p> <p>Biaxial, 0°/90°</p> <ul style="list-style-type: none"> ● Gage Factor: Approx. -100 ● Base Size: 11 mmφ ● Gage Length: 2 mm ● Gage Resistance: 120Ω ● Pieces per Pack: 2 	Silver-clad copper wires	-50 to 150°C	25mm	KSN-2-120-F3-11
 <p>KSN-6-350-E4-11 16</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Gage Factor: Approx. -100 ● Base Size: 13 x 5 mm ● Gage Length: 6 mm ● Gage Resistance: 350Ω ● Pieces per Pack: 4 	Silver-clad copper wires	-50 to 150°C	25mm	KSN-6-350-E4-11