

Strain Gages for Ultra-small Strain Measurements

KSPB

RoHS

● Gage Factor	Approx. 125, 160, 170, 235
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	11
● Self-temperature-compensation Range	20 to 50°C*

*KSPB-3-120-F2-11 only

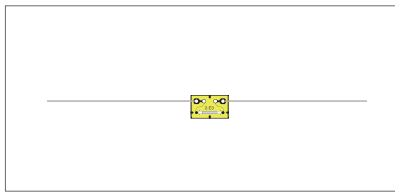
Applicable Adhesives and Operating Temperature Ranges

CC-33A: -50 to 120°C
EP-340: -50 to 150°C

Semiconductor Strain Gages

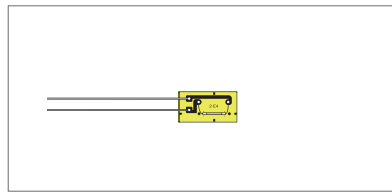
The KSPB series gages are stable-performance semiconductor strain gages usable for general stress measurement and transducers. The F2 type has a half-bridge formed with a 2-element structure (Positive and Negative), for self-temperature compensation and is suitable for strain measurement of steel products.

KSPB ● Uniaxial, Uniaxial 2-element



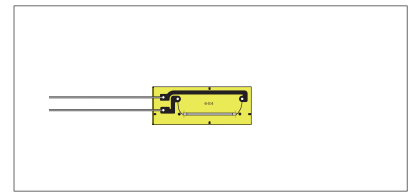
KSPB-2-120-E3

Models	KSPB-2-120-E3
Pattern	Uniaxial
Gage Factor	Approx. 125
Base	5 × 3 mm
Gage (Grid)	2 × 0.25 mm
Resistance	120 Ω
Pieces per Pack	4



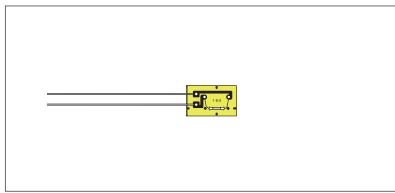
KSPB-2-120-E4

Models	KSPB-2-120-E4
Pattern	Uniaxial
Gage Factor	Approx. 125
Base	7.7 × 4 mm
Gage (Grid)	2 × 0.26 mm
Resistance	120 Ω
Pieces per Pack	4



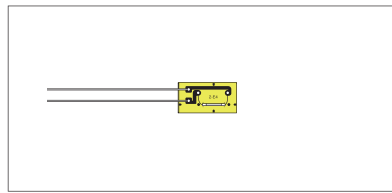
KSPB-6-350-E4

Models	KSPB-6-350-E4
Pattern	Uniaxial
Gage Factor	Approx. 125
Base	13 × 5 mm
Gage (Grid)	6 × 0.27 mm
Resistance	350 Ω
Pieces per Pack	4



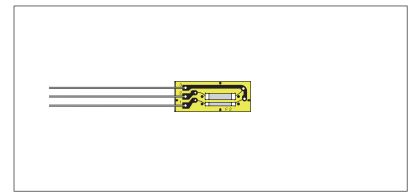
KSPB-1-350-E4

Models	KSPB-1-350-E4
Pattern	Uniaxial
Gage Factor	Approx. 160
Applicable Linear Expansion Coefficients	—
Self-temperature-compensation Range	—
Base	6.6 × 4 mm
Gage (Grid)	1 × 0.25 mm
Resistance	350 Ω
Pieces per Pack	4



KSPB-2-1K-E4

Models	KSPB-2-1K-E4
Pattern	Uniaxial
Gage Factor	Approx. 170
Applicable Linear Expansion Coefficients	—
Self-temperature-compensation Range	—
Base	7.7 × 4 mm
Gage (Grid)	2 × 0.2 mm
Resistance	1000 Ω
Pieces per Pack	4



KSPB-3-120-F2-11

Models	KSPB-3-120-F2-11
Pattern	Uniaxial 2-element
Gage Factor	Approx. 235
Applicable Linear Expansion Coefficients	11
Self-temperature-compensation Range	20 to 70°C
Base	10 × 4 mm
Gage (Grid)	N: 3 × 0.83 mm P: 3 × 0.47 mm
Resistance	120 Ω
Pieces per Pack	2

When ordering,
specify the model number as follows.

KSPB-□-□-□-□

(e.g.) KSPB-2-120-E3

*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length
Silver-covered copper wire	-50 to 150°C	25 mm
Silver-covered copper wires	-50 to 150°C	25 mm
Silver-covered copper wires	-50 to 150°C	25 mm

*Gage (Grid): Length × Width