



Strain Gage

Load Cell

Pressure
SensorAcceleration
SensorTorque
SensorDisplacement
SensorComponent
Force
SensorAutomotive
SensorCivil
Engineering
Sensor

KSNB

RoHS

Self-temperature-compensation Semiconductor Strain Gages

These self-temperature-compensating semiconductor strain gages are designed to minimize the effect of temperature changes by controlling the temperature coefficient of resistance of their material to match the linear expansion coefficient of the material being measured (Excluding type E5).
These use an N-type silicon as the resistive element.

■ Operating Temperature

Operating Temperature	Applicable Adhesives
-50 to 150°C	EP-340
-50 to 120°C	CC-33A
-30 to 100°C	CC-36
-50 to 150°C (E5 type only)	EP-17

■ Models

Patterns, Gage Resistance, Gage Factor	Model	Dimensions (mm)				Remarks
		Gage (Grid)		Base		
		Length	Width	Length	Width	
Uniaxial Resistance: 120 Ω, Gage factor: Approx. -100	KSNB-2-120-E3-11	2	0.3	5	3	
	KSNB-2-120-E3-16	2	0.3	5	3	



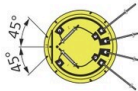
*The above picture is KSNB-2-120-E3-11.

Uniaxial Resistance: 120 Ω, Gage factor: Approx. -100	KSNB-2-120-E4-11	2	0.3	7.7	4	
	KSNB-2-120-E4-16	2	0.3	7.7	4	



*The above picture is KSNB-2-120-E4-11.

Biaxial, plane arrangement Resistance: 120 Ω, Gage factor: Approx. -100	KSNB-2-120-F3-11	2	0.3	φ11	2 gages/pkg
	KSNB-2-120-F3-16	2	0.3	φ11	



*The above picture is KSNB-2-120-F3-11.

Uniaxial, 350 Ω Resistance: 350 Ω, Gage factor: Approx. -100	KSNB-6-350-E4-11	6	0.31	13	5	
	KSNB-6-350-E4-16	6	0.31	13	5	



*The above picture is KSNB-6-350-E4-11.

Uniaxial (Temperature-compensation: Not supported) Resistance: 120 Ω Gage factor: Approx. -110	KSNB-2-120-E5-11	2	0.3	-	
	KSNB-2-120-E5-16	2	0.3		



*The above picture is KSNB-2-120-E5-11.

■ How to order

*Silver-covered copper wires 25 mm long (E5 type: Oxygen-free tin-plated copper wires 40 mm long)

*4 gages/pkg unless otherwise specified.