Non-magnetoresistive Strain Gages (KFNB & KFSB)

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm) Gage (Grid) Length	Gage (Grid) Width	Base Length	Base Width	Remarks

●KFNB Series Non-inductive Foil Strain Gages RoHS

The gage element is made of a special alloy which provides less magnetoresistant effect; also, the shape is designed to eliminate induction. Thus, the KFNB series foil strain gages allow the strain to be measured accurately under AC magnetic environments.

When ordering, suffix the lead-wire cable code (see table at the right) to the model number with a space in between.

E.g.
KFNB-5-350-C9-11 with a vinyl-coated normal-temperature low-noise 3-wire cable 5 m long pre-attached
→ KFNB-5-350-C9-11 J5M3

If no lead-wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 10 cm long each.

Applicable Adhesive

	Operating Temp. after Curing the Adhesive
PC-600	–196 to 150°C
CC-33A	–196 to 120°C

■Types, lengths and codes of lead-wire cables pre-attached to KFNB gages
For other lead-wire cable lengths, contact us.

Type / Length	Vinyl-coated normal-temperature low-noise 3-wire cable C9, D20
15 cm	J15C3
30 cm	J30C3
1 m	J1M3
3 m	J3M3
5 m	J5M3
Operating temp.	-10 to 80°C
Remarks	L-13

Uniaxial 350Ω gages

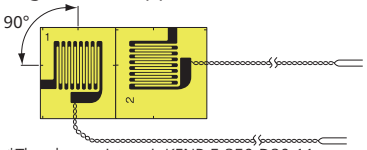
Resistance: 350 Ω
Gage factor: Approx. 2.0

*The above picture is KFNB-5-350-C9-11.

KFNB-5-350-C9-11	5	6.6	12	10	
KFNB-5-350-C9-16					
KFNB-5-350-C9-23					
KFNB-2-350-C9-11	2	3.5	6	5	
KFNB-2-350-C9-16					
KFNB-2-350-C9-23					

Biaxial 350Ω gages 0°/90° plane arrangement

Resistance: 350 Ω
Gage factor: Approx. 2.0



*The above picture is KFNB-5-350-D20-11.

KFNB-5-350-D20-11	5	6.6	22	12	5 gages/ pkg
KFNB-5-350-D20-16					
KFNB-5-350-D20-23					
KFNB-2-350-D20-11	2	3.5	11	6	5 gages/ pkg
KFNB-2-350-D20-16					
KFNB-2-350-D20-23					

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm) Gage (Grid) Length	Gage (Grid) Width	Base Length	Base Width	Remarks

●KFSB Series Shielded Foil Strain Gages RoHS

The KFSB series foil strain gages are shielded by copper foil covering the whole body. Thus, if a large current flows to or around the gage bonding site, noise will be prevented from entering the measuring circuit.

When ordering, suffix the lead-wire cable code (see table at the right) to the model number with a space in between.

E.g.
KFSB-5-120-J1-11 with a vinyl-coated normal-temperature low-noise 3-wire cable 5 m long pre-attached
→ KFSB-5-120-J1-11 J5M3

If no lead-wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 25 mm long each.

Applicable Adhesive

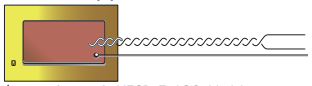
	Operating Temp. after Curing the Adhesive
CC-33A	–196 to 120°C
EP-340	–55 to 120°C

■Types, lengths and codes of lead-wire cables pre-attached to KFSB gages
For other lead-wire cable lengths, contact us.

Type / Length	Vinyl-coated normal-temperature low-noise 3-wire cable J1
15 cm	J15C3
30 cm	J30C3
1 m	J1M3
3 m	J3M3
5 m	J5M3
Operating temp.	-10 to 80°C
Remarks	L-13

Uniaxial

Resistance: 120 Ω
Gage factor: Approx. 2.1



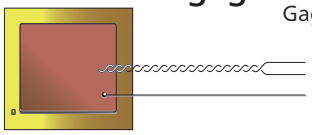
*The above picture is KFSB-5-120-J1-11.

*The base size includes that of the insulation sheet.

KFSB-5-120-J1-11	5	1.4	15	10	Polyester-coated copper lead wires Shield wire 25 mm long
KFSB-5-120-J1-16					
KFSB-5-120-J1-23					

Uniaxial 350Ω gage

Resistance: 350 Ω
Gage factor: Approx. 2.0



*The above picture is KFSB-5-350-J1-11.

KFSB-5-350-J1-11	5	6.6	17	16	Polyester-coated copper lead wires Shield wire 25 mm long
KFSB-5-350-J1-16					
KFSB-5-350-J1-23					

10 gages/ pkg unless otherwise specified.