Gages for Ultra-small Strain Measurement (KSPB & KSN)

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm) Gage (Grid) Base Remarks	-50
AVSDP Sories Semison	ductor Strain Gage	Length Width Length Width	STRAIN GAGES
KSPB Series Semicon		es wew	ש
The KSPB series gages are stable-perfor	ROHS	Applicable Adhesives Operating Temp.	∀ (D
gages usable for general stress measur type has a half-bridge formed with a 2	rement and transducers. The F2	after Curing the Adhesive	
and negative), for self-temperature co strain measurement of steel products.	mpensation and is suitable for	CC-33A −50 to 120°C EP-340 -50 to 150°C	
Uniaxial	Resistance: 120 Ω		
	Gage factor: Approx. 125		
	KSPB-2-120-E3	2 0.25 5 3	
Uniaxial	Resistance: 120 Ω Gage factor: Approx. 125		
	KSPB-2-120-E4	2 0.26 7.7 4	
Uniaxial 350Ω gage	Resistance: 350 Ω	2 0.20 7.7	
The state of the s	Gage factor: Approx. 125		
	KSPB-6-350-E4	6 0.27 13 5	
Uniaxial 350Ω gage	Resistance: 350 Ω Gage factor: Approx. 160		
, ar?			
Uniquial 10000 gaza	KSPB-1-350-E4 Resistance: 1000 Ω	1 0.25 6.6 4	
Uniaxial 1000Ω gage	Gage factor: Approx. 170		Strain Gages
	KSPB-2-1K-E4	2 0.2 7.7 4	Outline
Uniaxial, 2-element	Resistance: 120 Ω		
	Gage factor: Approx. 235	n0.83	Lead-wire cable
[= 10]	KSPB-3-120-F2-11	3 p0.47 10 4 2 gages/ pkg	
Patterns,	Models	Dimensions (mm) Gage (Grid) Base Remarks	General
Gage Resistance, Gage Factor	Models	Length Width Length Width	Waterproof
●KSN Series Self-temperature-compensation Semiconductor Strain Gages			
	control the resistance tem	an n-type silicon as the resistive element to nperature coefficient of the material according to	Concrete
	the linear expansion coeff of thermally-induced resis	ficient of the measuring object. Thus, the change stance is minimized.	Composite material
	Applicable Adhesives	erating Temp.	PCB Plastics
Uniaxial Resistance: 120 Ω	after Ču	uring the Adhesive -50 to 120°C	Ultra-small strain
Gage factor: Approx. –100		-30 to 100°C	High temp. Low temp.
	KSN-2-120-E3-11 KSN-2-120-E3-16	2 0.3 5 3	High elongation
Uniaxial			
Resistance: 120 Ω Gage factor: Approx. –100	VCN 2 120 F4 11		Non- magnetoresistive
(2-t 4 ()	KSN-2-120-E4-11 KSN-2-120-E4-16	2 0.3 7.7 4	
Uniaxial Resistance: 120 Ω			Hydrogen gas Bending
Gage factor: Approx. –110	KSN-2-120-E5-11	Oxygen-free tin-plated copper wires	With protector
Picyial 00/000	KSN-2-120-E5-16	2 0.5 – Copper wires 40 mm long	Embedded ————
Biaxial, 0°/90° plane arrangement 90°			Crack
Resistance: 120 Ω	KSN-2-120-F3-11	2 0.3 Ø11 2 gages/ pkg	
Gage factor: Approx. –100 Uniaxial 350Ω gages	KSN-2-120-F3-16	3 3 4 8 49	Adhesive Coating agent
Resistance: 350 Ω			Custom-
Gage factor: Approx. –100	KSN-6-350-E4-11	6 0.31 13 5	designed
	KSN-6-350-E4-16	0 0.51	1-36