
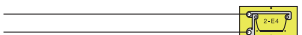

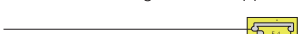





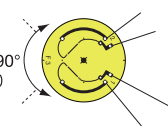



Semiconductor Strain Gages for Ultra-Small Strain Measurement



Pattern, Gage Resistance, Gage Factor	Model	Dimensions (mm)				Remarks	
		Grid		Base			
		Length	Width	Length	Width		
●KSP Series Semiconductor Strain Gages The KSP series gages are stable-performance semiconductor strain gages usable for general stress measurement and transducers. The F2 type has a half-bridge formed with 2 elements, positive and negative, for self-temperature compensation and is suitable for strain measurement of steel products.							
Uniaxial Resistance : 120Ω, Gage factor : Approx. 120 	Applicable Adhesives and Operating Temperature Range after Curing CC-33A : -50 to 120°C CC-36 : -30 to 100°C PC-12B : -50 to 150°C	KSP-2-120-E3	2	0.25	5	3	
Uniaxial Resistance : 120Ω, Gage factor : Approx. 120 	KSP-2-120-E4	2	0.26	7.7	4		
Uniaxial 350Ω gage Resistance : 350Ω, Gage factor : Approx. 120 	KSP-6-350-E4	6	0.27	13	5		
Uniaxial 350Ω gage Resistance : 350Ω, Gage factor : Approx. 150 	KSP-1-350-E4	1	0.25	6.6	4		
Uniaxial 1000Ω gage Resistance : 1000Ω, Gage factor : Approx. 160 	KSP-2-1K-E4	2	0.25	7.7	4		
Uniaxial, 2-element Resistance : 120Ω, Gage factor : Approx. 225 	KSP-3-120-F2-11	3	n0.83 p0.47	10	4	A minimum quantity 2 piece	
●KSN Series Self-temperature-compensation Semiconductor Gages The KSN series 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.							
Uniaxial Resistance : 120Ω, Gage factor : Approx. -100 	Applicable Adhesives and Operating Temperature Range after Curing PC-12B : -50 to 150°C CC-33A : -50 to 120°C CC-36 : -30 to 100°C EP-17 : -50 to 150°C (Applicable only for E5 type)	KSN-2-120-E3-11	2	0.3	5	3	
	KSN-2-120-E3-16						
Uniaxial Resistance : 120Ω, Gage factor : Approx. -100 	KSN-2-120-E4-11	2	0.3	7.7	4	A minimum quantity 2 piece	
	KSN-2-120-E4-16						
Uniaxial Resistance : 120Ω, Gage factor : Approx. -110 	KSN-2-120-E5-11	2	0.3	-		Oxygen-free tin-plated copper wires 40 mm long each	
	KSN-2-120-E5-16						
Biaxial, 0°/90° Resistance : 120Ω Gage factor : Approx. -100 	KSN-2-120-F3-11	2	0.3	φ11		A minimum quantity 2 piece	
	KSN-2-120-F3-16						
Uniaxial 350Ω gages Resistance : 350Ω, Gage factor : Approx. -100 	KSN-6-350-E4-11	6	0.31	13	5		
	KSN-6-350-E4-16						