


Gages for Ultra-small Strain Measurement KSPB & KSN



Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm)				Remarks						
		Grid		Base								
		Length	Width	Length	Width							
<p>●KSPB Series Semiconductor Strain Gages NEW</p> <p>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 2-element of positive one and negative one, for self-temperature compensation and is suitable for strain measurement of steel products.</p> <p>Uniaxial Resistance: 120 Ω Gage factor: Approx. 125</p>  <p style="text-align: right;">Applicable Adhesives and Operating Temperature Range after Curing</p> <table border="1" style="float: right;"> <thead> <tr> <th>Adhesives</th> <th>Operating Temp. after Gluing the Gages</th> </tr> </thead> <tbody> <tr> <td>CC-33A</td> <td>-50 to 120°C</td> </tr> <tr> <td>EP-340</td> <td>-50 to 150°C</td> </tr> </tbody> </table>							Adhesives	Operating Temp. after Gluing the Gages	CC-33A	-50 to 120°C	EP-340	-50 to 150°C
Adhesives	Operating Temp. after Gluing the Gages											
CC-33A	-50 to 120°C											
EP-340	-50 to 150°C											
	KSPB-2-120-E3	2	0.25	5	3							
	KSPB-2-120-E4	2	0.26	7.7	4							
	KSPB-6-350-E4	6	0.27	13	5							
	KSPB-1-350-E4	1	0.25	6.6	4							
	KSPB-2-1K-E4	2	0.2	7.7	4							
	KSPB-3-120-F2-11	3	n0.83 p0.47	10	4	2 gages/ pkg						

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<p>●KSN Series Self-temperature-compensation Semiconductor Strain Gages</p> <p>The KSN series gages use an n-type silicon as the resistive element to control the resistance temperature coefficient of the material according to the linear expansion coefficient of the measuring object. Thus, the change of thermally-induced resistance is minimized.</p> <p>Uniaxial Resistance: 120 Ω Gage factor: Approx. -100</p> <p>Applicable Adhesives and Operating Temperature Range after Curing</p> <table border="1" style="float: right;"> <thead> <tr> <th>Adhesives</th> <th>Operating Temp. after Gluing the Gages</th> </tr> </thead> <tbody> <tr> <td>CC-33A</td> <td>-50 to 120°C</td> </tr> <tr> <td>CC-36</td> <td>-30 to 100°C</td> </tr> </tbody> </table>							Adhesives	Operating Temp. after Gluing the Gages	CC-33A	-50 to 120°C	CC-36	-30 to 100°C
Adhesives	Operating Temp. after Gluing the Gages											
CC-33A	-50 to 120°C											
CC-36	-30 to 100°C											
	KSN-2-120-E3-11	2	0.3	5	3							
	KSN-2-120-E3-16											
	KSN-2-120-E4-11	2	0.3	7.7	4							
	KSN-2-120-E4-16											
	KSN-2-120-E5-11	2	0.3	-	-	Oxygen-free tin-plated copper wires 40 mm long each						
	KSN-2-120-E5-16											
	KSN-2-120-F3-11	2	0.3	φ11		2 gages/ pkg						
	KSN-2-120-F3-16											
	KSN-6-350-E4-11	6	0.31	13	5							
	KSN-6-350-E4-16											

4 gages/ pkg unless specified notes.