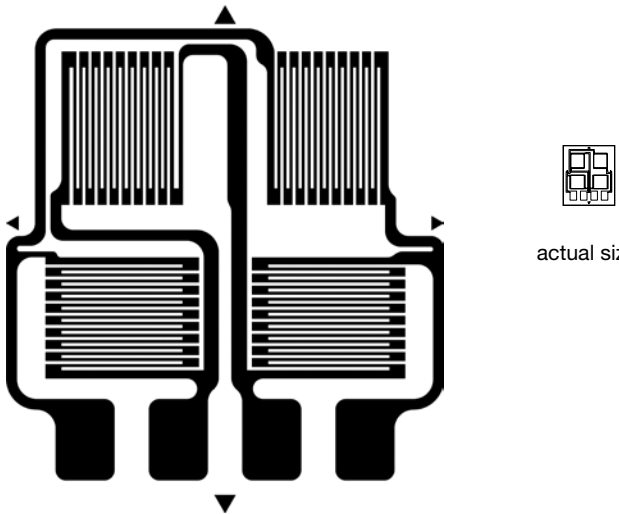

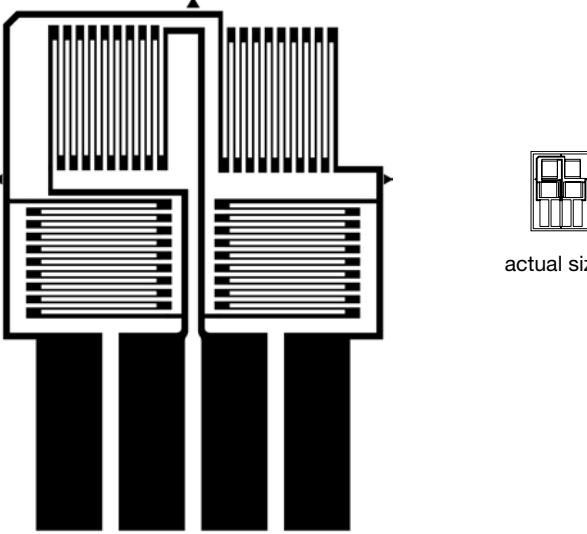



**Transducer-Class® Strain Gages with Advanced Sensors Technology**

<b>S5056 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5056Q-10C/DG/E5 N5K-XX-S5056Q-10C/DG/E5	1000 ±3% 1000 ±3%	Q* Q*
<b>DESCRIPTION</b> Full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.070	0.262	0.070	0.253	0.31	0.27
1.78	6.66	1.78	6.43	7.9	6.8

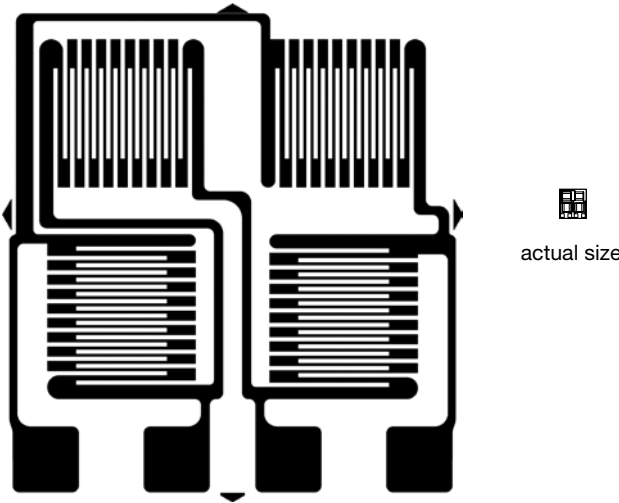

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5107 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5107Q-12C/DG/E5 N5K-XX-S5107Q-12C/DG/E5	1200 ±3% 1200 ±3%	Q* Q*
<b>DESCRIPTION</b> Full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is a 1200 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.070	0.302	0.070	0.190	0.34	0.25
1.78	7.67	1.78	4.83	8.5	6.4

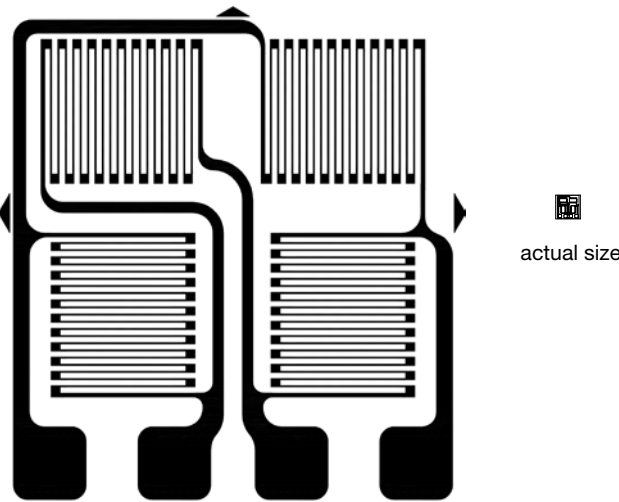

\* Only creep code available for this gage.  
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

<b>S5229 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5229A-50C/DG/E3 N5K-XX-S5229A-50C/DG/E3	5000 ±5% 5000 ±5%	A* A*
<b>DESCRIPTION</b> Miniature high resistance full-bridge. Bridge is balanced to ±0.5 mV/V, but RG is 5000 Ω ±5%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.028	0.129	0.044	0.134	0.16	0.14
0.71	3.30	1.13	3.41	4.0	3.7

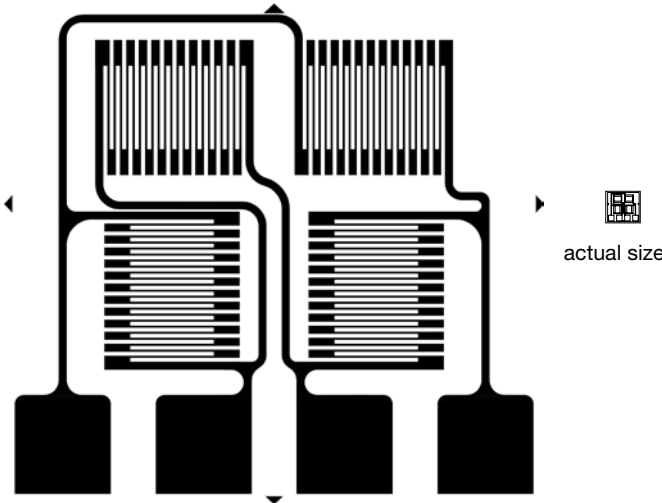

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5231 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5231K-20C/DG/E3 N5K-XX-S5231K-20C/DG/E3	2000 ±3% 2000 ±3%	K* K*
<b>DESCRIPTION</b> Miniature high resistance full-bridge. Bridge is balanced to ±0.5 mV/V, but RG is 2000 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.020	0.122	0.045	0.120	0.14	0.13
0.51	3.10	1.14	3.05	3.6	3.4

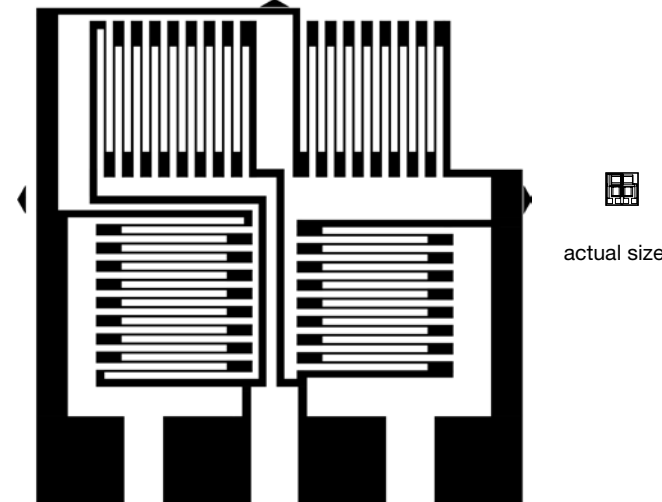

\* Only creep code available for this gage.  
Copper plating for tabs is available.

*Transducer-Class®* Strain Gages with Advanced Sensors Technology

<b>S5020 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5020Q-50C/DG/E3 N5K-XX-S5020Q-50C/DG/E3	5000 ±5% 5000 ±5%	Q* Q*
<b>DESCRIPTION</b> Miniature high resistance full-bridge. Bridge is balanced to ±0.4 mV/V, but RG is 5000 Ω ±5%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.028	0.160	0.050	0.159	0.17	0.18
0.71	4.06	1.27	4.03	4.3	4.7

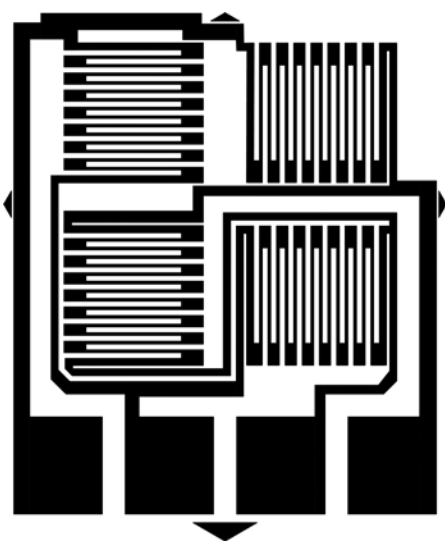

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5067 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5067P-10C/DG/E5 N5K-XX-S5067P-10C/DG/E5	1000 ±3% 1000 ±3%	P* P*
<b>DESCRIPTION</b> Small full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.033	0.153	0.053	0.158	0.17	0.17
0.85	3.89	1.36	4.02	4.3	4.3

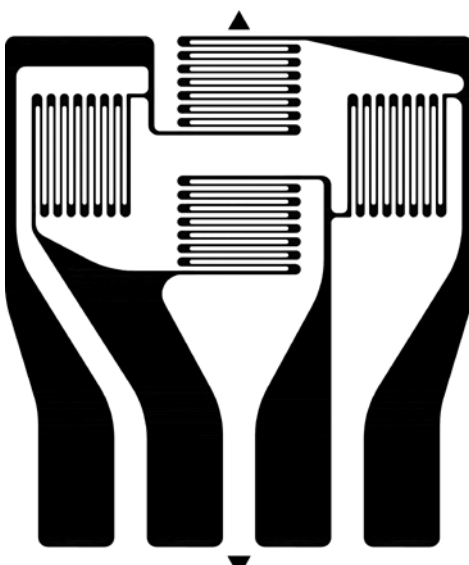

\* Only creep code available for this gage.  
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5062 GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5062N-10C/DG/E5 N5K-XX-S5062N-10C/DG/E5	<b>RESISTANCE IN OHMS</b> 1000 ±3% 1000 ±3%	<b>STD. CREEP CODE</b> N* N*
	<b>DESCRIPTION</b> Small full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.		 <b>RoHS COMPLIANT</b>

GAGE DIMENSIONS						inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.033	0.148	0.057	0.168	0.16	0.19		
0.85	3.76	1.45	4.27	4.2	4.8		

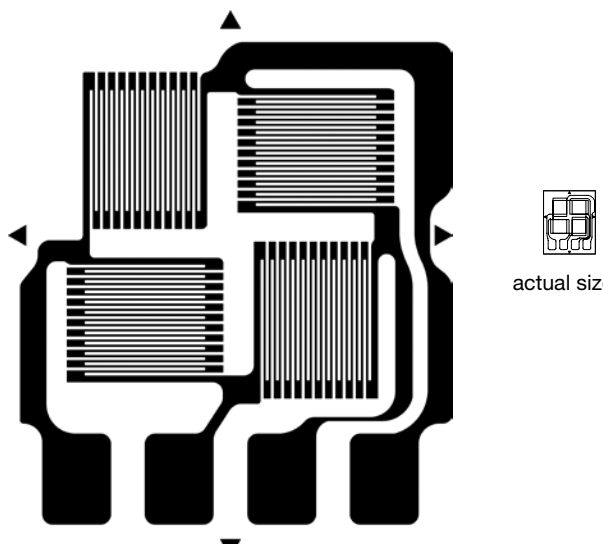

\* Only creep code available for this gage.  
Copper plating for tabs is available.

S5232 GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2A-XX-S5232K-350/E5	<b>RESISTANCE IN OHMS</b> 350 ±3%	<b>STD. CREEP CODE</b> K*
	<b>DESCRIPTION</b> Full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 350 Ω ±3%.		 <b>RoHS COMPLIANT</b>

GAGE DIMENSIONS						inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.051	0.262	0.051	0.206	0.30	0.25		
1.30	6.64	1.30	5.23	7.6	6.3		

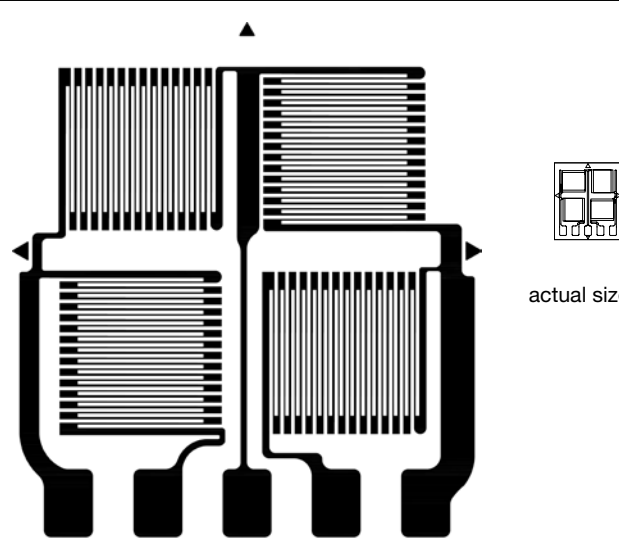

\* Only creep code available for this gage.

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<b>S5193 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5193R-350/E5	350 ±3%	R*
<b>DESCRIPTION</b> Full-bridge for bending-beam transducers. Bridge is balanced to ±0.5 mV/V, but RG is 350 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.071	0.264	0.071	0.220	0.33	0.27
1.80	6.71	1.80	5.59	8.3	6.8

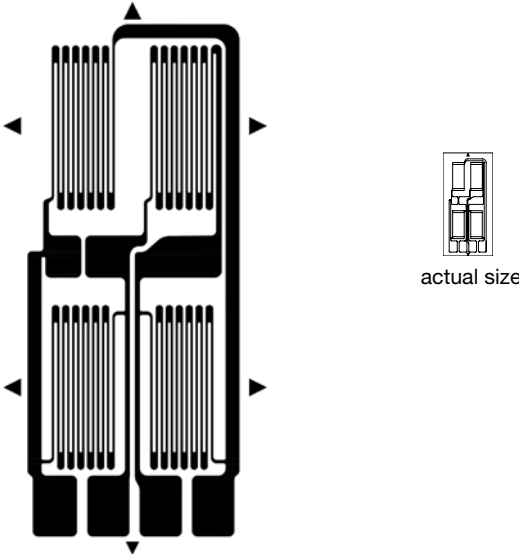

\* Only creep code available for this gage.

<b>S5139 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5139U-350/E4	350 ±0.2%	U*
<b>DESCRIPTION</b> Open full-bridge pattern for single-surface gaging of transducers.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.093	0.345	0.120	0.299	0.40	0.35
2.36	8.77	3.06	7.60	10.3	9.0

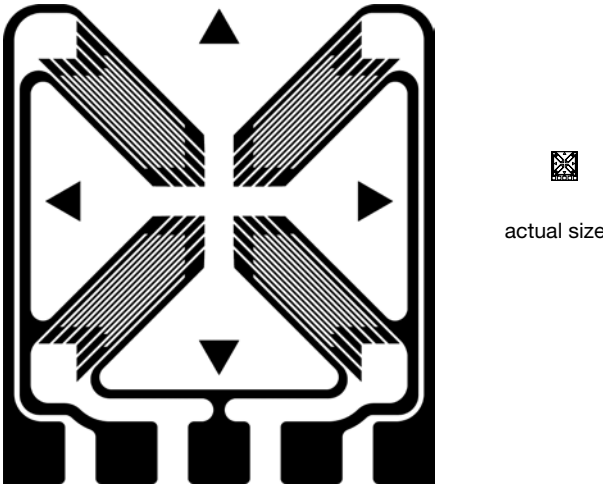

\* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

<b>S5292 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5292X-350/E5	350 ±3%	X*
<b>DESCRIPTION</b> Full-bridge pattern for use on double-bending beams. Axial grid centerline spacing 0.250 in (6.35 mm).			 <p><b>RoHS</b> COMPLIANT</p>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.125	0.455	0.060	0.192	0.54	0.26
3.18	11.56	1.52	4.88	13.6	6.6

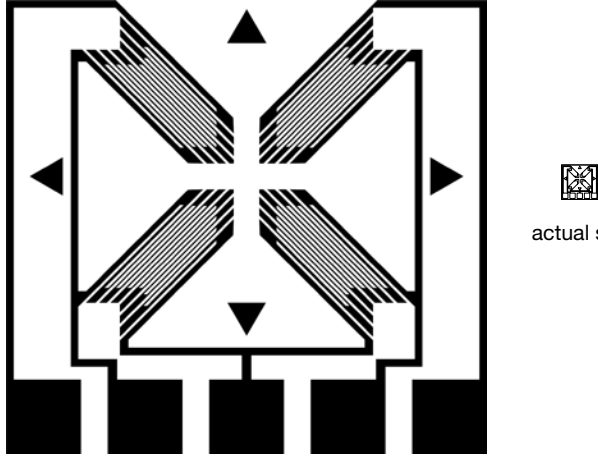

\* Only creep code available for this gage.

<b>S5023 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5023M-10C/DG/E5 N5K-XX-S5023M-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	M* M*
<b>DESCRIPTION</b> Full-bridge pattern for shear or torque transducers.			 <p><b>RoHS</b> COMPLIANT</p>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.045	0.160	0.024	0.144	0.17	0.15
1.15	4.06	0.61	3.66	4.2	3.8

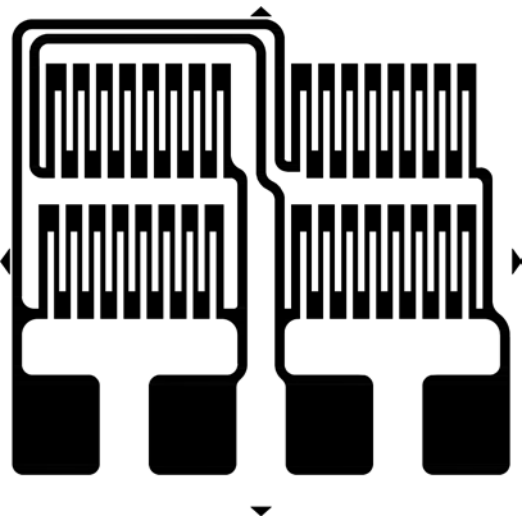

\* Only creep code available for this gage.  
Copper plating for tabs is available.

*Transducer-Class*® Strain Gages with Advanced Sensors Technology

<b>S5046 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5046M-50C/DG/E5 N5K-XX-S5046M-50C/DG/E5	5000 ±0.2% 5000 ±0.2%	M* M*
<b>DESCRIPTION</b> Open full-bridge pattern for shear or torque transducers.			 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.044	0.170	0.024	0.180	0.18	0.19
1.12	4.31	0.61	4.57	4.5	4.8

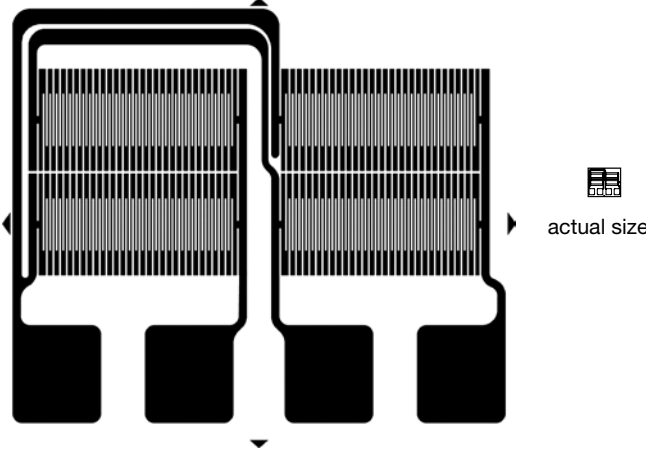

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5047 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5047K-10C/DG/E5 N5K-XX-S5047K-10C/DG/E5	1000 ±3% 1000 ±3%	K* K*
<b>DESCRIPTION</b> Compact full-bridge pattern for use on small, double-bending beams. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.			 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.017	0.112	0.060	0.137	0.14	0.15
0.43	2.86	1.52	3.49	3.7	3.8

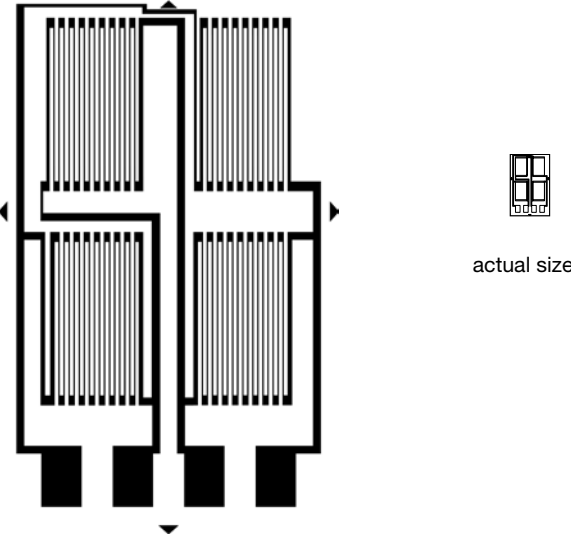

\* Only creep code available for this gage.  
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

<b>S5072 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5072N-10C/DG/E5 N5K-XX-S5072N-10C/DG/E5	1000 ±3% 1000 ±3%	N* N*
<b>DESCRIPTION</b> Compact full-bridge pattern for use on small, double-bending beams. Bridge is balanced to 0.4 mV/V, but RG is 1000 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.017	0.113	0.064	0.156	0.15	0.17
0.43	2.86	1.63	3.97	3.7	4.2

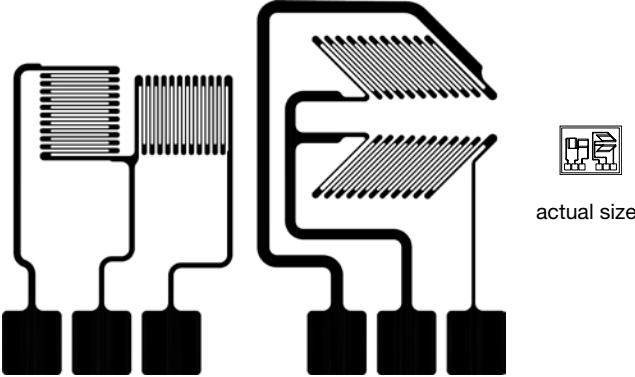

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5051 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5051M-11C/DG/E5 N5K-XX-S5051M-11C/DG/E5	1100 ±3% 1100 ±3%	M* M*
<b>DESCRIPTION</b> Full-bridge pattern for double-bending beams. Bridge is balanced to ±0.3 mV/V, but RG is 1100 Ω ±3%.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Gage Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.118	0.376	0.079	0.196	0.42	0.27
3.00	9.58	2.00	5.00	10.6	6.8

\* Only creep code available for this gage.  
Copper plating for tabs is available.

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<b>S5060 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5060-10C/DG/E5 N5K-XX-S5060-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	K, N K, N
<b>DESCRIPTION</b> Half-bridge combination for use in pairs to construct two full-bridges for simultaneous measurement of torsion and axial load.			

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.033	0.289	0.056	0.210	0.32	0.25
0.85	7.34	1.43	5.33	8.2	6.4

Copper plating for tabs is available.

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