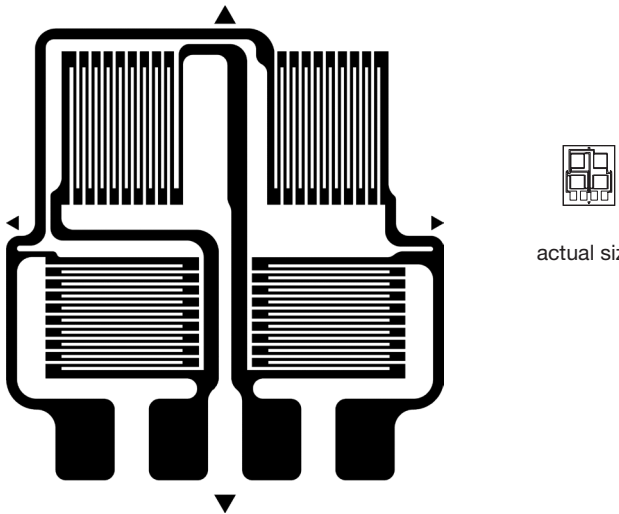

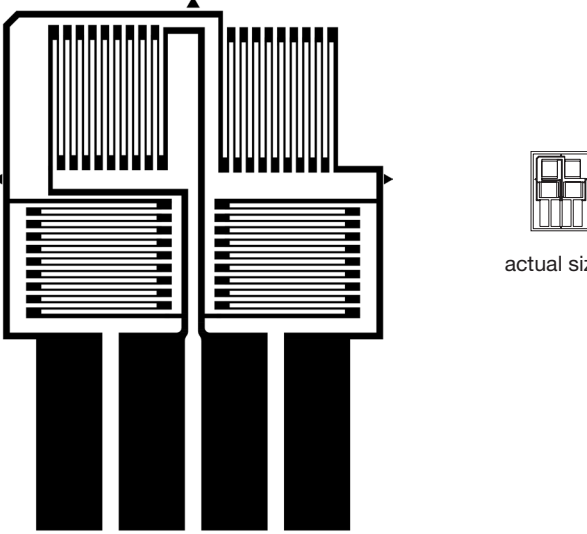



Transducer-Class® Strain Gages with Advanced Sensors Technology

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

GAGE DIMENSIONS					
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
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.

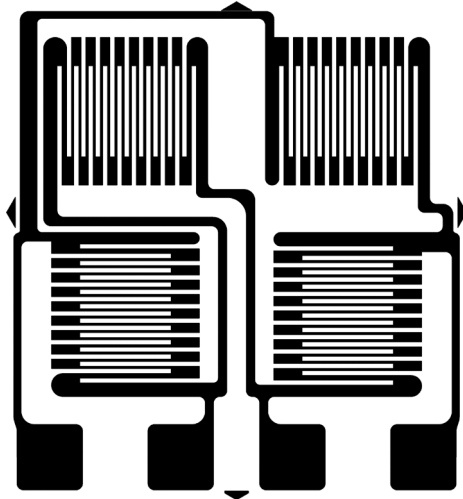
S5107 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION N2K-XX-S5107Q-12C/DG/E5 N5K-XX-S5107Q-12C/DG/E5	RESISTANCE IN OHMS 1200 ±3% 1200 ±3%	STD. CREEP CODE Q* Q*
	DESCRIPTION Full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is a 1200 Ω ±3%.		

GAGE DIMENSIONS					
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
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

S5229 GAGE PATTERN DATA



GAGE DESIGNATION

RESISTANCE IN OHMS

STD. CREEP CODE

N2K-XX-S5229A-50C/DG/E3
N5K-XX-S5229A-50C/DG/E3

5000 ±5%
5000 ±5%

A*
A*

DESCRIPTION

Miniature high resistance full-bridge.
Bridge is balanced to ±0.5 mV/V, but RG is 5000 Ω ±5%.



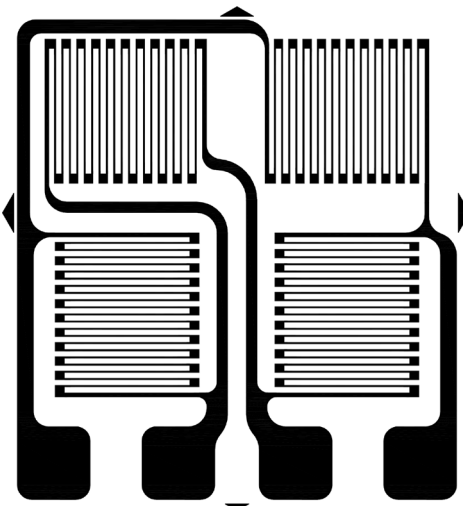
RoHS
COMPLIANT

GAGE DIMENSIONS

				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
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.

S5231 GAGE PATTERN DATA



GAGE DESIGNATION

RESISTANCE IN OHMS

STD. CREEP CODE

N2K-XX-S5231K-20C/DG/E3
N5K-XX-S5231K-20C/DG/E3

2000 ±3%
2000 ±3%

K*
K*

DESCRIPTION

Miniature high resistance full-bridge.
Bridge is balanced to ±0.5 mV/V, but RG is 2000 Ω ±3%.



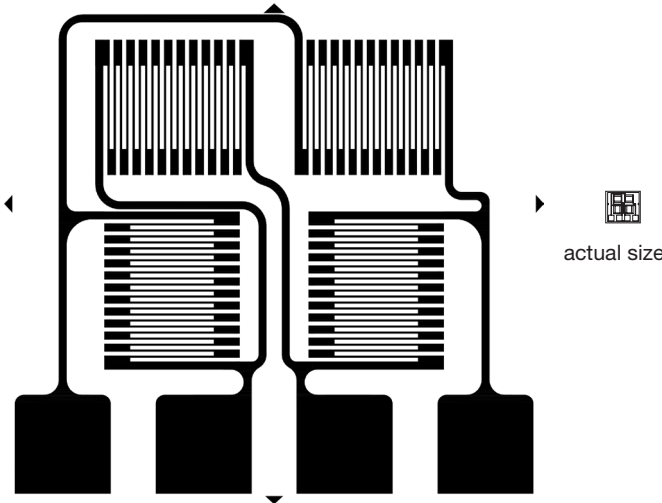

RoHS
COMPLIANT

GAGE DIMENSIONS

				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.020	0.122	0.045	0.120	0.14	0.13
0.51	3.10	1.14	3.05	3.6	3.4

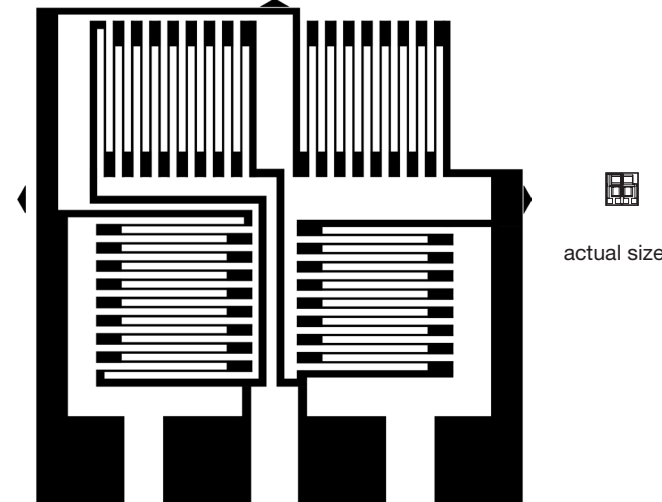

* Only creep code available for this gage.
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

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

GAGE DIMENSIONS					
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
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.

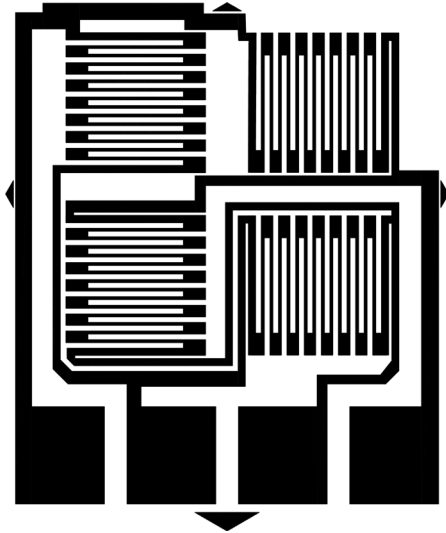
S5067 GAGE PATTERN DATA			
	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5067P-10C/DG/E5 N5K-XX-S5067P-10C/DG/E5	1000 ±3% 1000 ±3%	P* P*
DESCRIPTION Small full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.			

GAGE DIMENSIONS					
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
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



GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
N2K-XX-S5062N-10C/DG/E5	1000 ±3%	N*
N5K-XX-S5062N-10C/DG/E5	1000 ±3%	N*

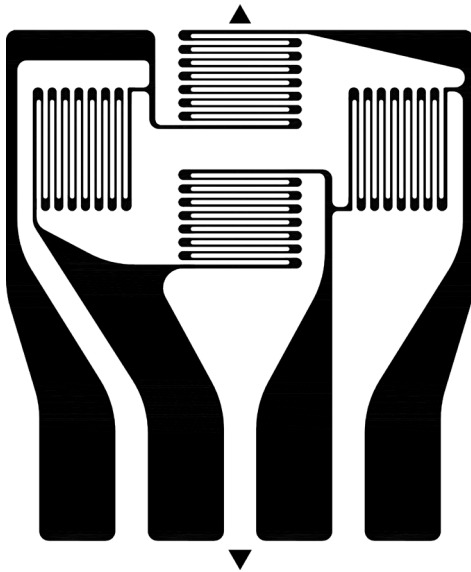
<p>DESCRIPTION</p> <p>Small full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 1000 Ω ±3%.</p>	
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GAGE DIMENSIONS

				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



GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
N2A-XX-S5232K-350/E5	350 ±3%	K*

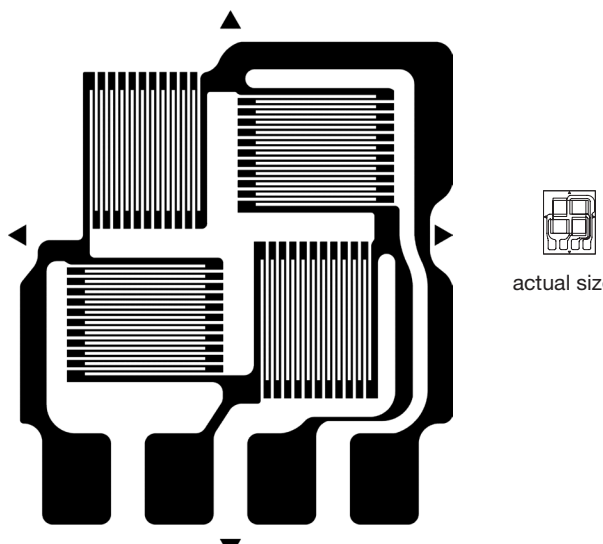
<p>DESCRIPTION</p> <p>Full-bridge for bending-beam transducers. Bridge is balanced to ±0.4 mV/V, but RG is 350 Ω ±3%.</p>	
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GAGE DIMENSIONS

				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

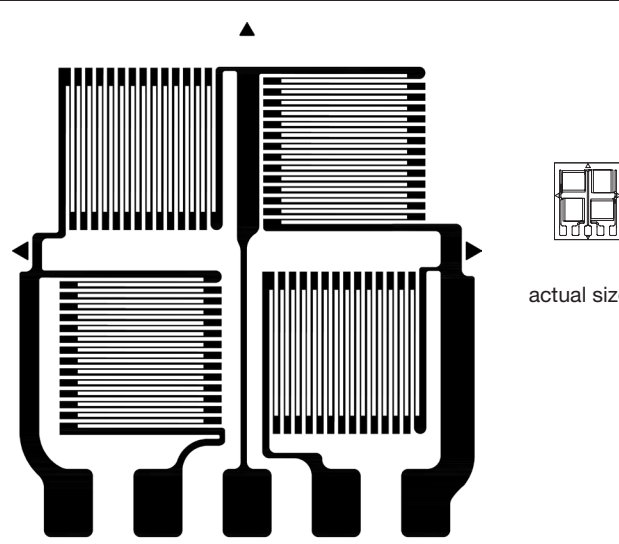
* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

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

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

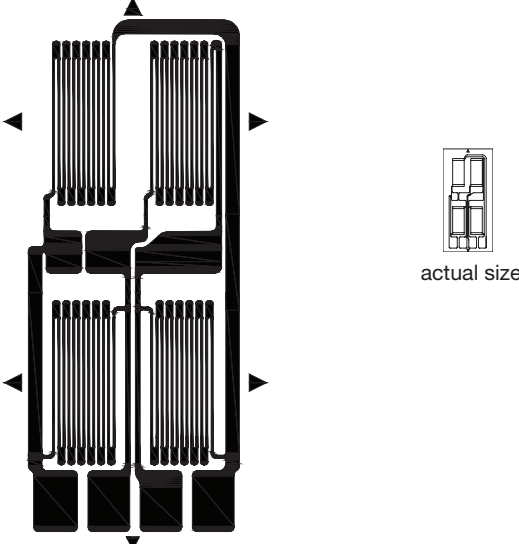

* Only creep code available for this gage.

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

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

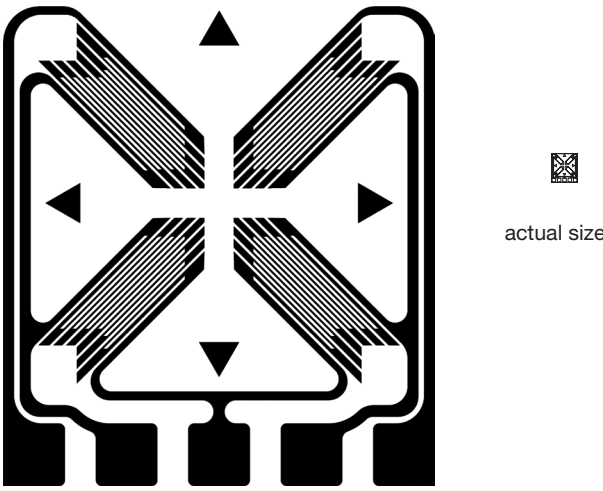

* Only creep code available for this gage.

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

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

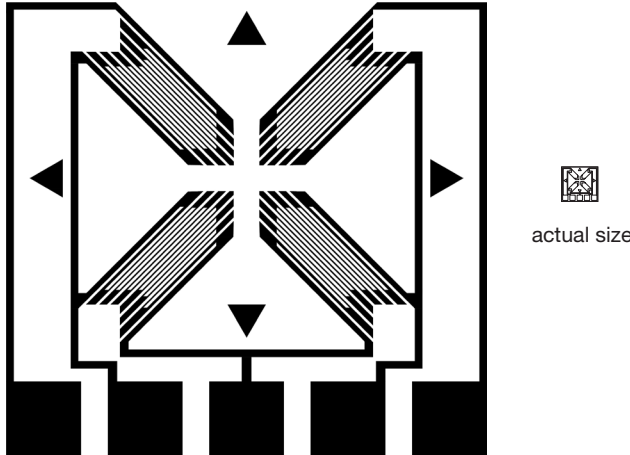

* Only creep code available for this gage.

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

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

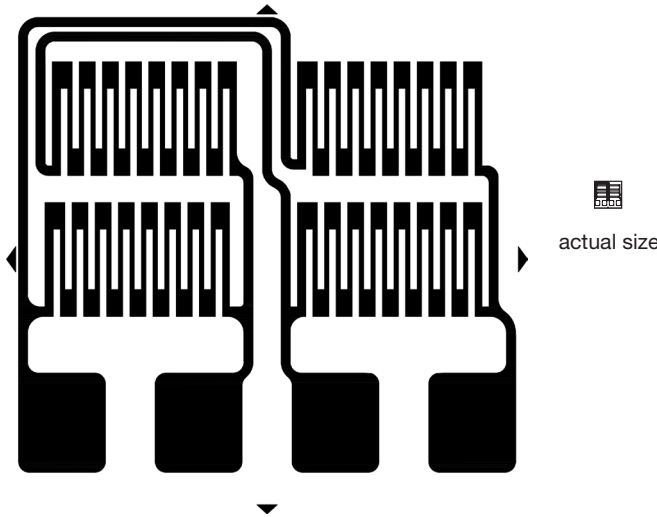

* Only creep code available for this gage.
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

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

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

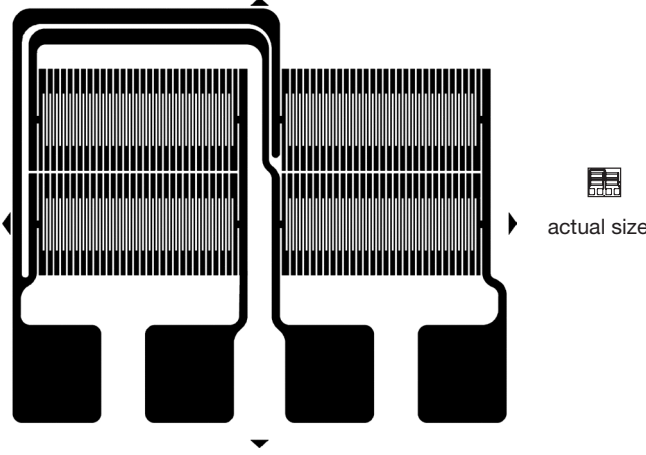

* Only creep code available for this gage.
Copper plating for tabs is available.

S5047 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5047K-10C/DG/E5 N5K-XX-S5047K-10C/DG/E5	1000 ±3% 1000 ±3%	K* K*
DESCRIPTION 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%.			

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

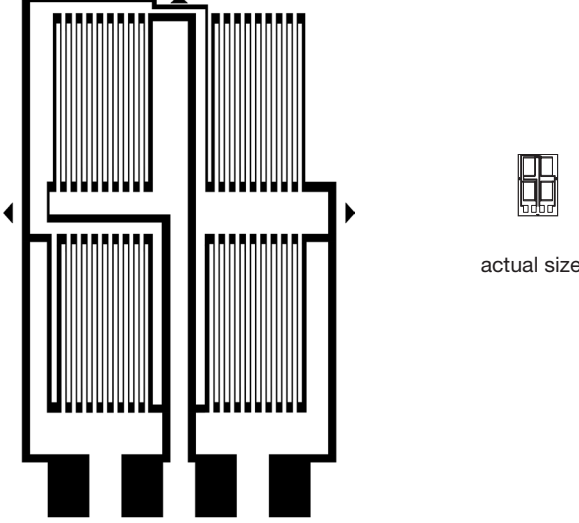

* Only creep code available for this gage.
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5072 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5072N-10C/DG/E5 N5K-XX-S5072N-10C/DG/E5	1000 ±3% 1000 ±3%	N* N*
DESCRIPTION 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%.			

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

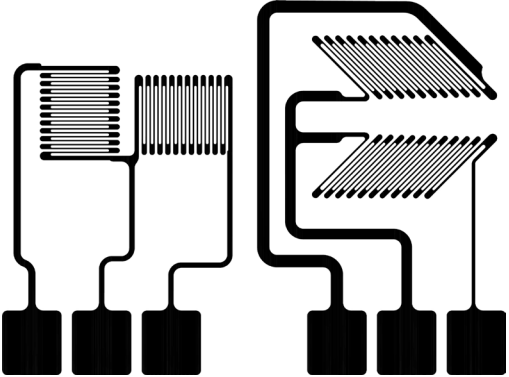


* Only creep code available for this gage.
Copper plating for tabs is available.

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

GAGE DIMENSIONS						inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
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.

Transducer-Class® Strain Gages with Advanced Sensors Technology

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

GAGE DIMENSIONS					
				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.