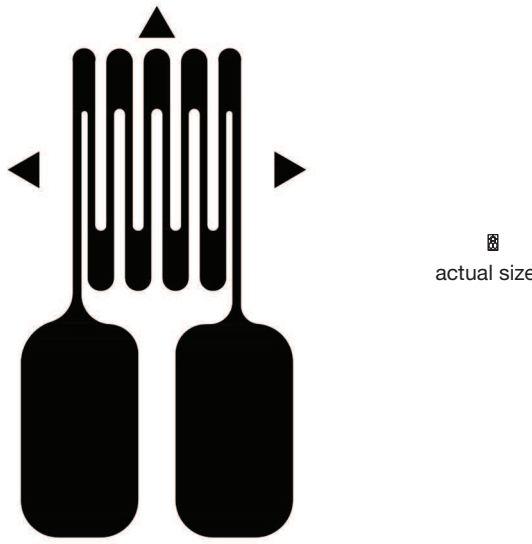

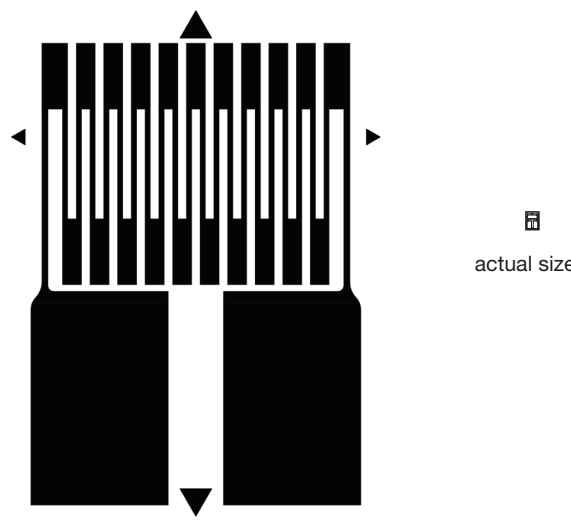



<b>S5272 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5272H-120/E4	120 ±0.5%	H*
<b>DESCRIPTION</b>			 <b>RoHS</b> COMPLIANT
General-purpose miniature pattern 120 Ω.			

<b>GAGE DIMENSIONS</b>						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.015	0.062	0.020	0.037	0.08	0.05		
0.38	1.57	0.51	0.93	2.1	1.2		

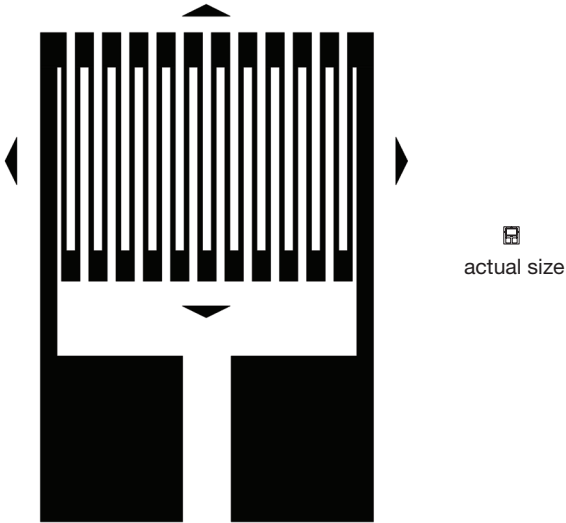

\* Only creep code available for this gage.

<b>S5077 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5077T-350/DG/E5 N5K-XX-S5077T-350/DG/E5	350 ±0.2% 350 ±0.2%	T T
<b>DESCRIPTION</b>			 <b>RoHS</b> COMPLIANT
General-purpose miniature pattern 350 Ω.			

<b>GAGE DIMENSIONS</b>						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.020	0.089	0.060	0.060	0.10	0.07		
0.51	2.26	1.52	1.52	2.5	1.8		

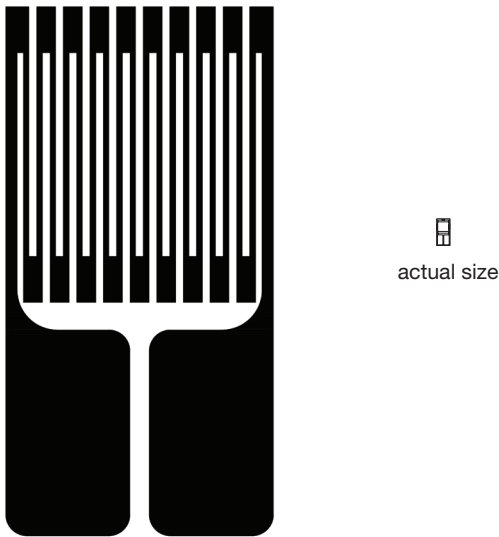

Copper plating for tabs is available.

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

<b>S5037 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5037Q-10C/DG/E5 N5K-XX-S5037Q-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	Q Q
<b>DESCRIPTION</b> Miniature high resistance pattern.			 <b>RoHS</b> COMPLIANT

<b>GAGE DIMENSIONS</b>						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.034	0.087	0.051	0.056	0.09	0.08		
0.86	2.21	1.30	1.42	2.4	1.9		

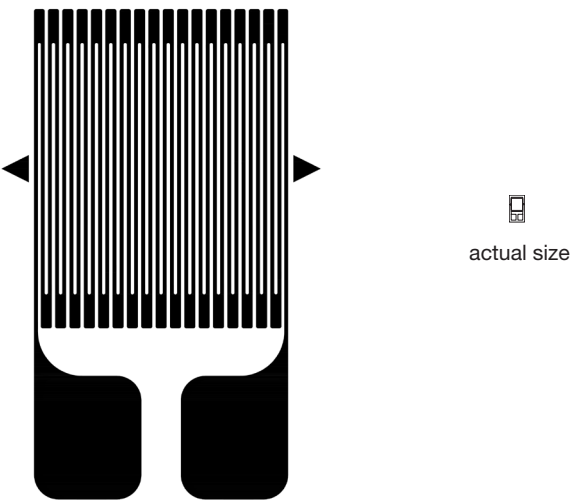

Copper plating for tabs is available.

<b>S5126 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5126S-350/DG/E3 N5K-XX-S5126S-350/DG/E3	350 ±0.2% 350 ±0.2%	S* S*
<b>DESCRIPTION</b> General-purpose miniature pattern.			 <b>RoHS</b> COMPLIANT

<b>GAGE DIMENSIONS</b>						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.050	0.131	0.065	0.065	0.14	0.07		
1.27	3.32	1.65	1.65	3.5	1.9		

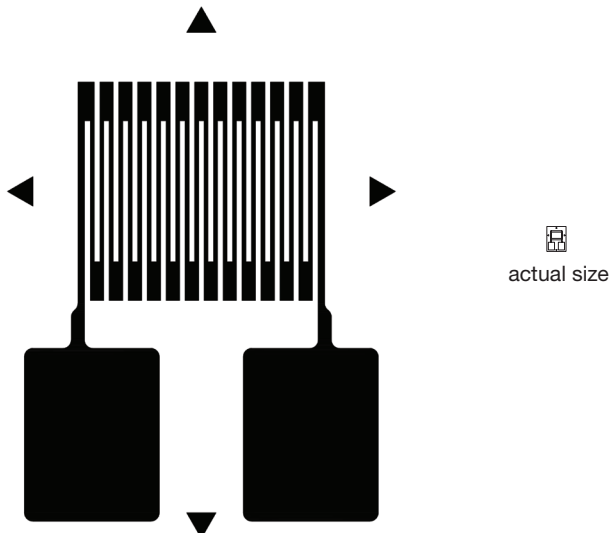

\* Only creep code available for this gage.  
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5262 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5262P-350/E4	350 ±0.15%	P*
<b>DESCRIPTION</b> General-purpose miniature pattern.			

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.062	0.120	0.062	0.062	0.14	0.08		
1.57	3.04	1.57	1.57	3.5	2.1		

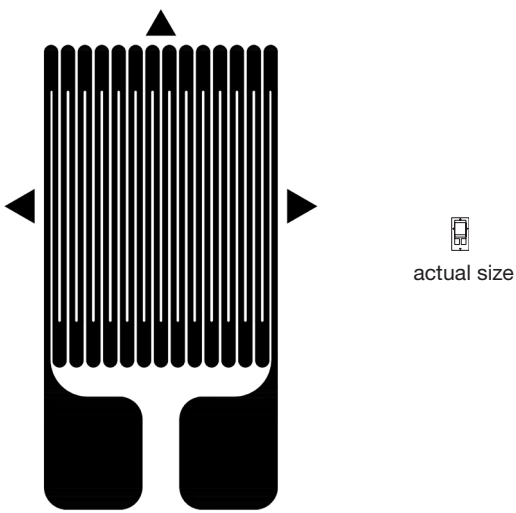

\* Only creep code available for this gage.

S5094 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5094Q-10C/DG/E5 N5K-XX-S5094Q-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	Q* Q*
<b>DESCRIPTION</b> Same grid size as the S5037, with larger solder tabs.			

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.033	0.104	0.054	0.084	0.13	0.10		
0.85	2.64	1.38	2.13	3.4	2.5		

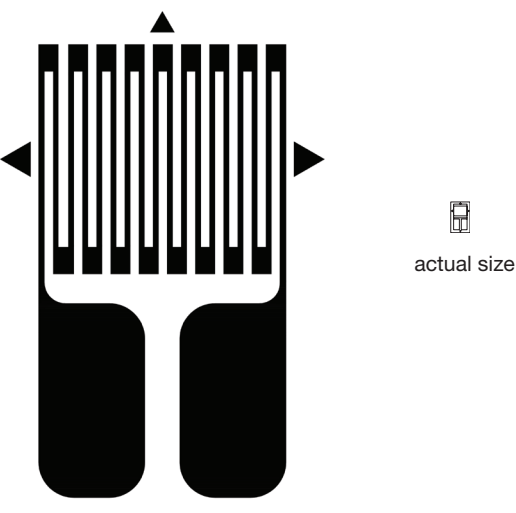

\* Only creep code available for this gage.  
Copper plating for tabs is available.

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

<b>S5199 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5199T-350/DG/E4 N5K-XX-S5199T-350/DG/E4	350 ±0.15% 350 ±0.15%	T T
<b>DESCRIPTION</b> Narrow version of the S5156.			 <b>RoHS</b> COMPLIANT

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062	0.124	0.062	0.062	0.17	0.09
1.57	3.14	1.57	1.57	4.3	2.4

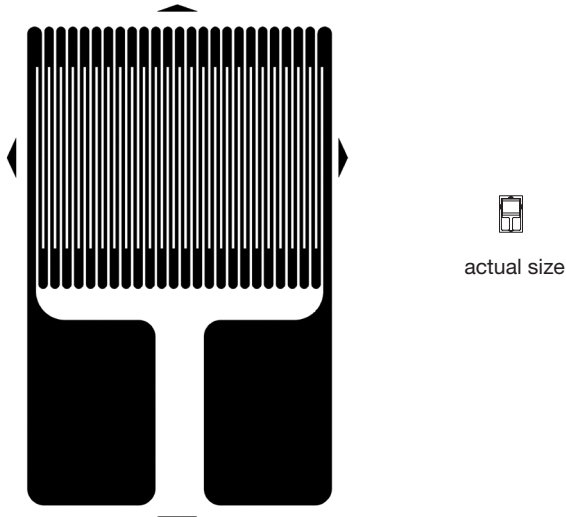

Copper plating for tabs is available.

<b>S5182 GAGE PATTERN DATA</b>			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5182N-10C/E4	1000 ±0.2%	N*
<b>DESCRIPTION</b> Miniature high resistance pattern.			 <b>RoHS</b> COMPLIANT

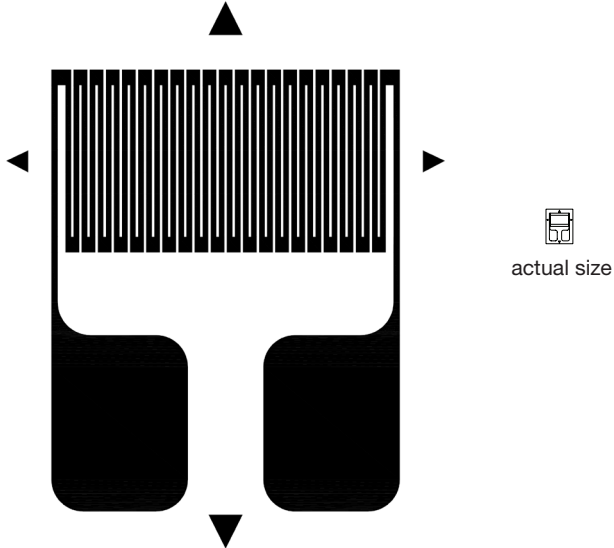

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.050	0.129	0.070	0.070	0.16	0.10
1.27	3.26	1.78	1.78	4.0	2.5

\* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2A-XX-S5091R-350/E3 N2A-XX-S5128P-10C/E4	<b>RESISTANCE IN OHMS</b> 350 ±0.2% 1000 ±0.2%	<b>STD. CREEP CODE</b> R P
	<b>DESCRIPTION</b> The most popular small gage pattern.		

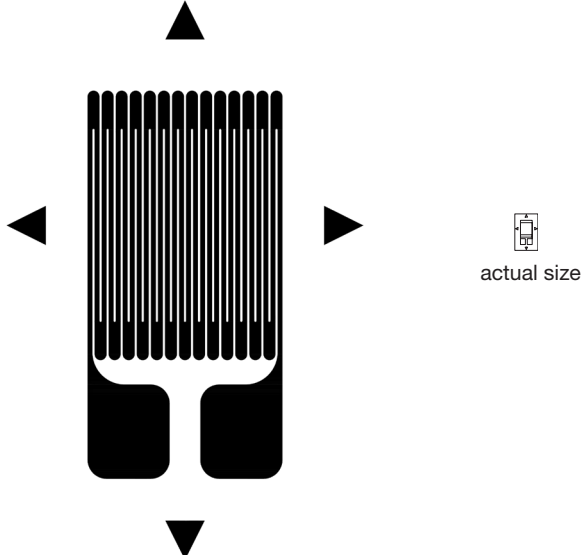

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.060	0.154	0.100	0.100	0.19	0.12		
1.52	3.89	2.54	2.54	4.7	3.0		

S5063 GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5063G-350/DG/E5 N5K-XX-S5063G-350/DG/E5	<b>RESISTANCE IN OHMS</b> 350 ±0.15% 350 ±0.15%	<b>STD. CREEP CODE</b> G* G*
	<b>DESCRIPTION</b> One of the most popular gage sizes.		

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.047	0.137	0.100	0.108	0.18	0.14		
1.19	3.48	2.55	2.75	4.5	3.7		

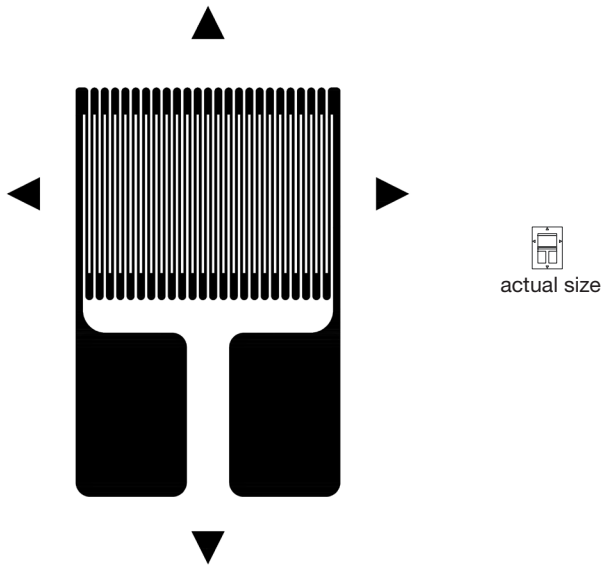

\* Only creep code available for this gage.  
Copper plating for tabs is available.

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

GAGE PATTERN DATA			
	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5155Q-350/E4 N2K-XX-S5156T-350/DG/E4 N5K-XX-S5156T-350/DG/E4	350 ±0.15% 350 ±0.15% 350 ±0.15%	Q* T* T*
<b>DESCRIPTION</b> General-purpose miniature patterns.			 <b>RoHS</b> COMPLIANT

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062	0.124	0.062	0.062	0.19	0.12
1.57	3.14	1.57	1.57	4.7	3.1

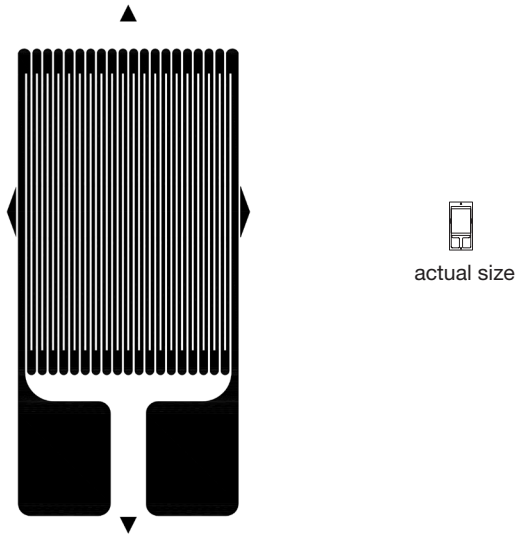

\* Only creep code available for this gage.  
Copper plating for tabs when available.

GAGE PATTERN DATA			
	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5301R-175/DP/E4 N5K-XX-S5301R-175/DP/E4 N2A-XX-S5178R-350/E4 N2K-XX-S5114Q-350/DG/E4 N5K-XX-S5114Q-350/DG/E4 N2K-XX-S5171Q-10C/DG/E4 N5K-XX-S5171Q-10C/DG/E4	175 ±0.15% 175 ±0.15% 350 ±0.2% 350 ±0.2% 1000 ±0.2% 1000 ±0.2%	R* R* R Q Q Q* Q*
<b>DESCRIPTION</b> The most popular small gage pattern.			 <b>RoHS</b> COMPLIANT

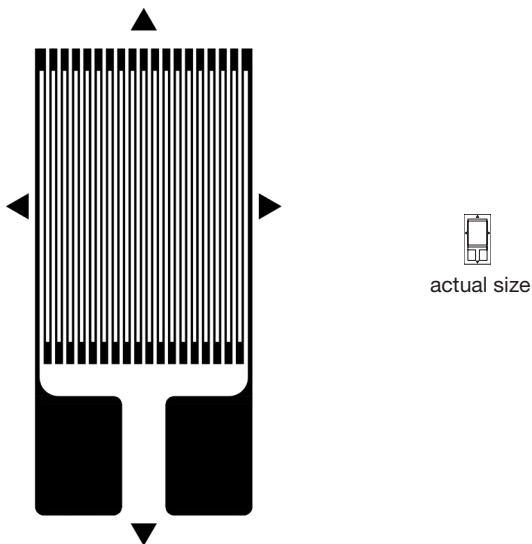

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.150	0.100	0.100	0.22	0.16
1.52	3.80	2.54	2.54	5.6	4.1

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

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5105 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5105R-350/E5	350 ±0.2%	R
<b>DESCRIPTION</b> One of the most popular gage sizes.			

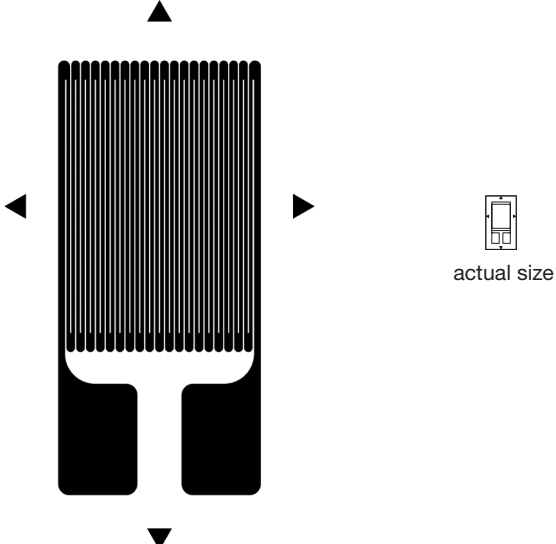

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.126	0.212	0.100	0.100	0.25	0.12		
3.20	5.35	2.54	2.54	6.3	3.0		

S5150 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5150R-10C/E4	1000 ±0.2%	R*
<b>DESCRIPTION</b> One of the most popular gage sizes.			

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.125	0.215	0.100	0.100	0.26	0.14		
3.18	5.45	2.54	2.54	6.6	3.5		

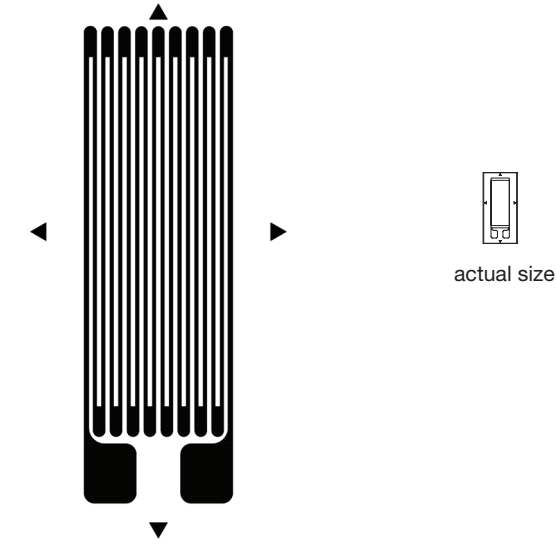

\* Only creep code available for this gage.

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

<b>GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5122R-350/E4 N2A-XX-S5286R-120/E5 N2K-XX-S5109Q-350/DG/E4 N5K-XX-S5109Q-350/DG/E4	350 ±0.15% 120 ±0.2% 350 ±0.2% 350 ±0.2%	R R* Q Q
<b>DESCRIPTION</b> One of the most popular gage sizes.			 <b>RoHS</b> COMPLIANT

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.125	0.215	0.100	0.100	0.28	0.16
3.18	5.45	2.54	2.54	7.1	4.1

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

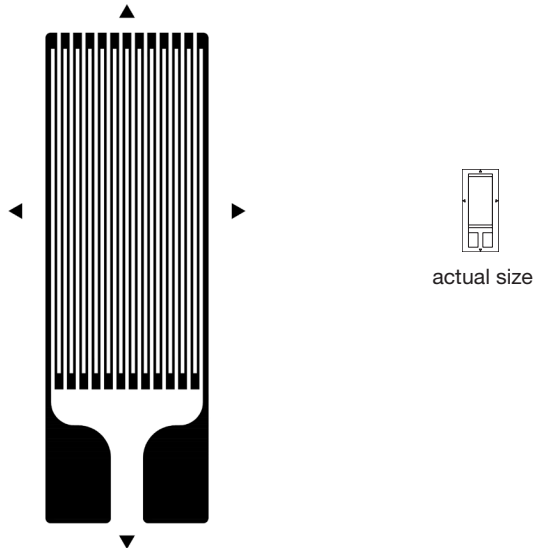

<b>S5148 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5148X-350/E5	350 ±0.2%	X*
<b>DESCRIPTION</b> Longer grid for strain averaging or where higher power dissipation is required.			 <b>RoHS</b> COMPLIANT

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.236	0.316	0.100	0.100	0.37	0.18
5.99	8.02	2.54	2.54	9.3	4.6

\* Only creep code available for this gage.

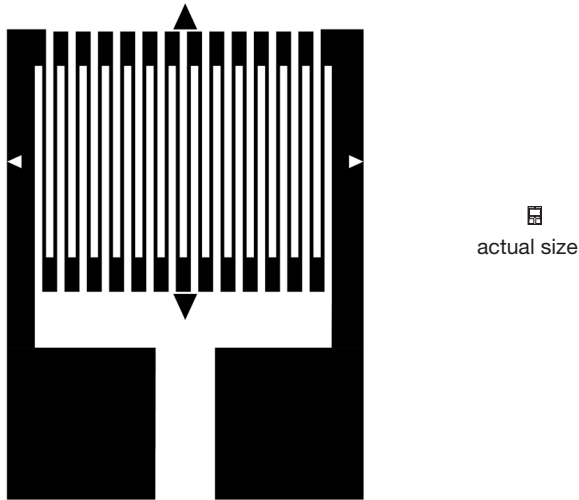



Transducer-Class® Strain Gages with Advanced Sensors Technology

S5117 GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5117T-10C/DG/E5 N5K-XX-S5117T-10C/DG/E5	<b>RESISTANCE IN OHMS</b> 1000 ±0.2% 1000 ±0.2%	<b>STD. CREEP CODE</b> T* T*
	<b>DESCRIPTION</b> Large grid and high resistance permit higher-than-normal excitation voltage.		

GAGE DIMENSIONS					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.250	0.377	0.125	0.125	0.43	0.19
6.35	9.57	3.18	3.18	10.8	4.8

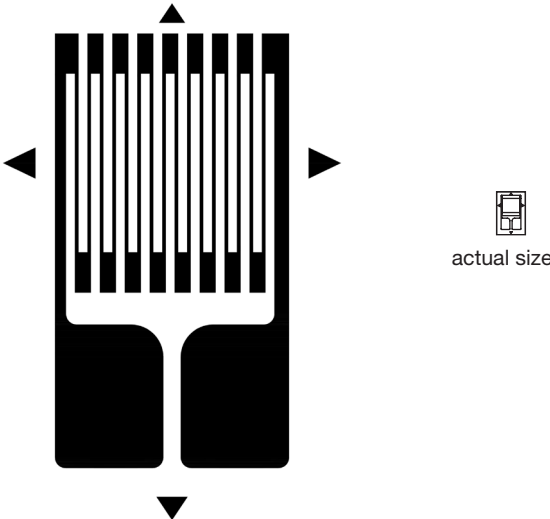

\* Only creep code available for this gage.  
Copper plating for tabs is available.

S5024 GAGE PATTERN DATA			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5024G-50C/DG/E5 N5K-XX-S5024G-50C/DG/E5	<b>RESISTANCE IN OHMS</b> 5000 ±0.2% 5000 ±0.2%	<b>STD. CREEP CODE</b> G G
	<b>DESCRIPTION</b> Miniature 5000 Ω linear gage. Can be used in 4 mA to 20 mA transmitters and battery-operated transducers.		

GAGE DIMENSIONS					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.026	0.064	0.048	0.048	0.07	0.06
0.66	1.60	1.22	1.22	1.9	1.4

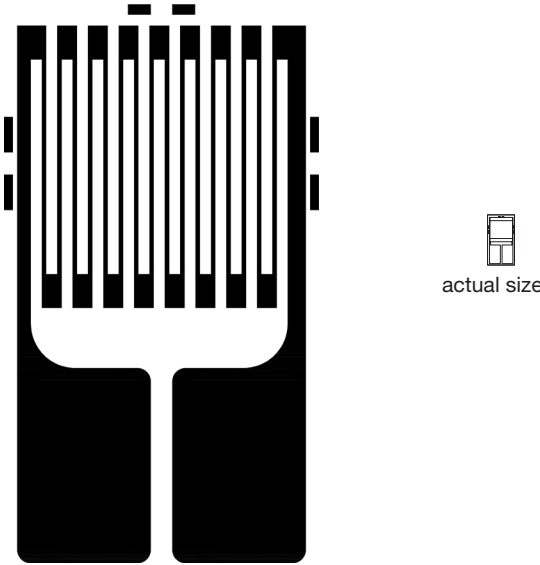

Copper plating for tabs is available.

*Transducer-Class*<sup>®</sup> Strain Gages with Advanced Sensors Technology

<b>S5120 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5120S-25C/DG/E5 N5K-XX-S5120S-25C/DG/E5	<b>RESISTANCE IN OHMS</b> 2500 ±0.2% 2500 ±0.2%	<b>STD. CREEP CODE</b> S* S*
	<b>DESCRIPTION</b> Widely used in 4 mA to 20 mA transmitters and battery-operated transducers.		 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.050	0.121	0.065	0.070	0.15	0.10
1.27	3.07	1.65	1.78	3.9	2.6

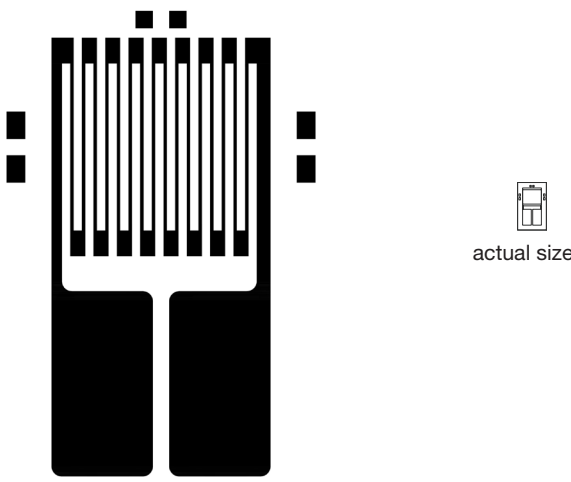

\* Only creep code available for this gage.  
Copper plating for tabs is available.

<b>S5044 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b> N2K-XX-S5044Q-50C/DG/E5 N5K-XX-S5044Q-50C/DG/E5	<b>RESISTANCE IN OHMS</b> 5000 ±0.2% 5000 ±0.2%	<b>STD. CREEP CODE</b> Q Q
	<b>DESCRIPTION</b> Similar grid to S5030 with smaller matrix size. Widely used in 4 mA to 20 mA transmitters and battery-operated transducers.		 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.050	0.129	0.065	0.065	0.14	0.08
1.27	3.27	1.65	1.65	3.6	1.9

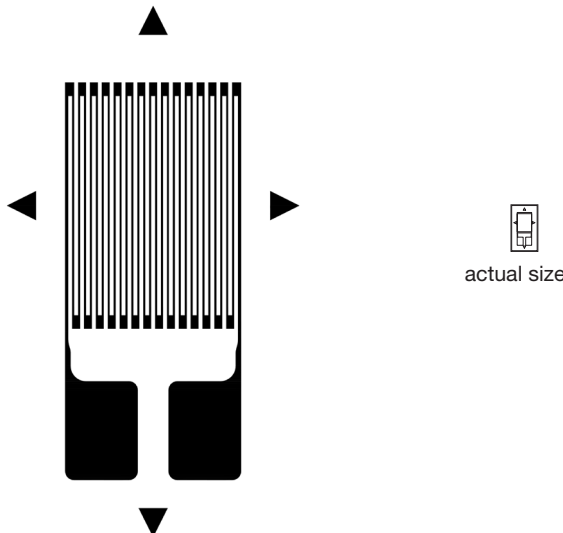

Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5030 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b> N2K-XX-S5030K-50C/DG/E5 N5K-XX-S5030K-50C/DG/E5	<b>RESISTANCE IN OHMS</b> 5000 ±0.2% 5000 ±0.2%	<b>STD. CREEP CODE</b> K K
	<b>DESCRIPTION</b> Widely used in 4 mA to 20 mA transmitters and battery-operated transducers.		 <b>RoHS COMPLIANT</b>

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.050	0.129	0.065	0.065	0.17	0.10		
1.27	3.27	1.66	1.66	4.2	2.5		

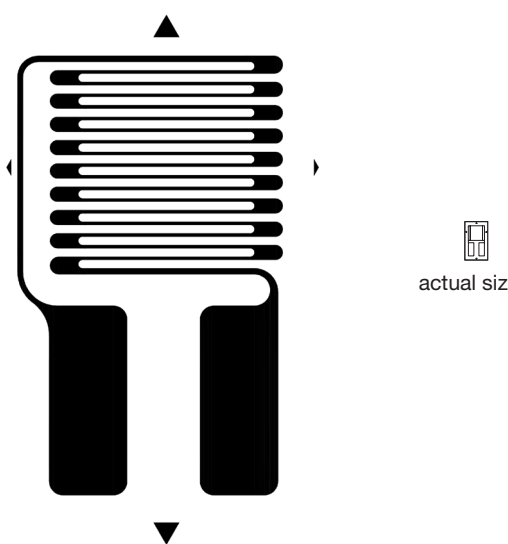

Copper plating for tabs is available.

S5029 GAGE PATTERN DATA			
	<b>GAGE DESIGNATION</b> N2K-XX-S5029L-45C/DG/E5 N5K-XX-S5029L-45C/DG/E5	<b>RESISTANCE IN OHMS</b> 4500 ±0.2% 4500 ±0.2%	<b>STD. CREEP CODE</b> L L
	<b>DESCRIPTION</b> Larger grid pattern than the S5030.		 <b>RoHS COMPLIANT</b>

GAGE DIMENSIONS						inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.100	0.182	0.080	0.080	0.25	0.14		
2.54	4.60	2.03	2.03	6.3	3.5		

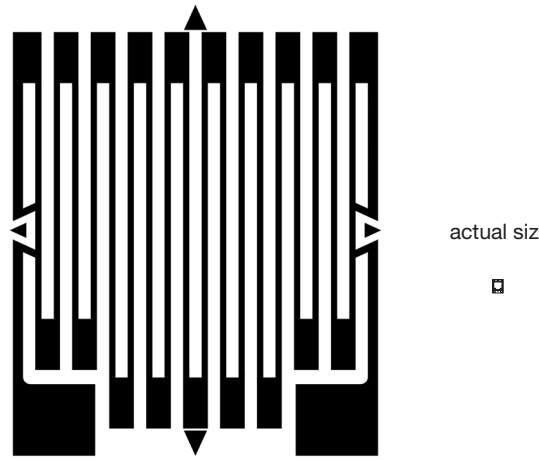

\* Only creep code available for this gage.  
Copper plating for tabs is available.

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

<b>S5212 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2A-XX-S5212R-20C/E5	2000 ±0.2%	R*
<b>DESCRIPTION</b> Constantan pattern, with solder tabs in 90° to grid.			 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.063	0.082	0.075	0.155	0.12	0.20
1.60	2.08	1.91	3.93	3.0	5.0

\* Only creep code available for this gage.

<b>S5032 GAGE PATTERN DATA</b>			
 <p>actual size</p>	<b>GAGE DESIGNATION</b>	<b>RESISTANCE IN OHMS</b>	<b>STD. CREEP CODE</b>
	N2K-XX-S5032M-10C/DG/E5 N5K-XX-S5032M-10C/DG/E5	10000 ±0.2% 10000 ±0.2%	M M
<b>DESCRIPTION</b> Miniature 10000 Ω linear gage. Can be used in 4 mA to 20 mA transmitters and battery-operated transducers.			 <b>RoHS COMPLIANT</b>

<b>GAGE DIMENSIONS</b>					
				inch	millimeter
<b>Grid Length</b>	<b>Overall Length</b>	<b>Grid Width</b>	<b>Overall Width</b>	<b>Matrix Length</b>	<b>Matrix Width</b>
0.040	0.061	0.048	0.048	0.07	0.06
1.02	1.55	1.22	1.22	1.8	1.4

Copper plating for tabs is available.

## Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at [vpgsensors.com](http://vpgsensors.com).

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.