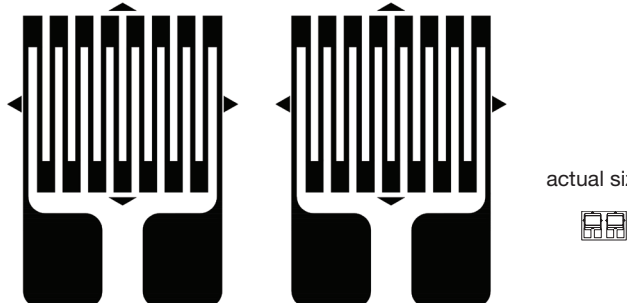



## Transducer-Class® Strain Gages with Advanced Sensors Technology

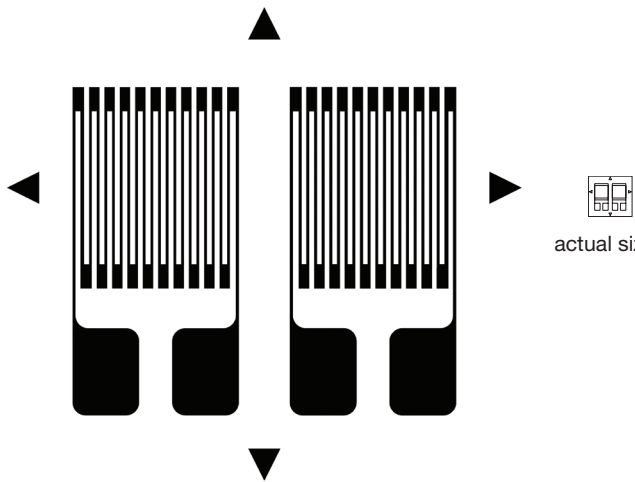

### S5100 GAGE PATTERN DATA

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5100Q-10C/DG/E5	1000 ±0.2%	Q*
	N5K-XX-S5100Q-10C/DG/E5	1000 ±0.2%	Q*
<b>DESCRIPTION</b> Small dual-element gage designed for bending-beam transducers.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.033	0.086	0.054	0.139	0.10	0.15
0.85	2.18	1.38	3.52	2.5	3.9

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

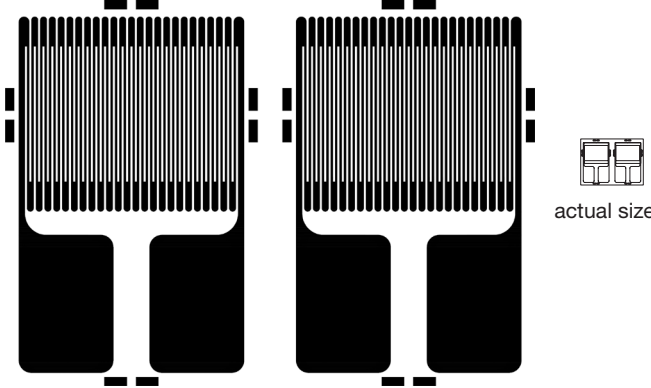

### S5081 GAGE PATTERN DATA

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5081Q-10C/DG/E4	1000 ±0.2%	Q*
	N5K-XX-S5081Q-10C/DG/E4	1000 ±0.2%	Q*
<b>DESCRIPTION</b> Small dual-element gage designed for bending-beam transducers.			

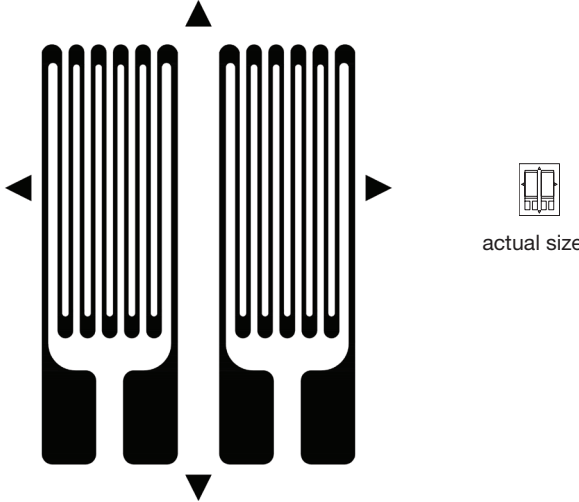

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.128	0.065	0.150	0.19	0.21
1.52	3.25	1.65	3.81	4.9	5.3

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

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GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5092R-350/E4 N2A-XX-S5127P-10C/E4	350 ±0.2% 1000 ±0.2%	R P
<b>DESCRIPTION</b> Small dual-element gage designed for bending-beam transducers.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.154	0.100	0.223	0.18	0.24
1.52	3.89	2.54	5.66	4.7	6.2

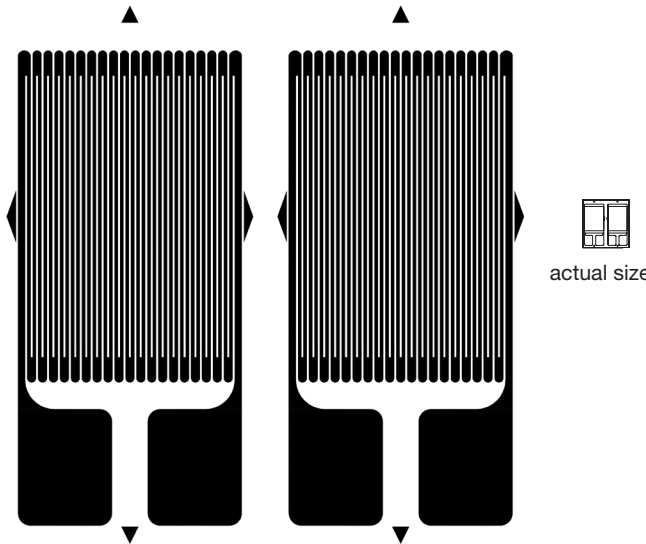

S5377 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5377R-350/DG/E4 N5K-XX-S5377R-350/DG/E4	350 ±0.2% 350 ±0.2%	R* R*
<b>DESCRIPTION</b> Dual-element gages widely used on bending-beam transducers.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125	0.195	0.065	0.150	0.27	0.21
3.18	4.96	1.65	3.81	6.9	5.3

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

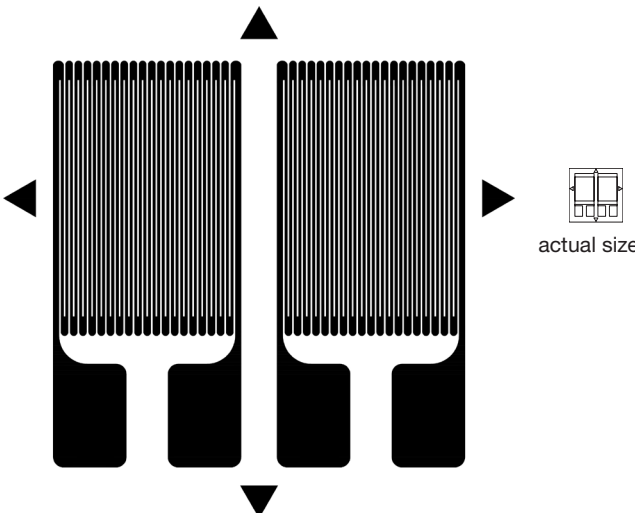

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## S5119 GAGE PATTERN DATA

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5119R-350/E4	350 ±0.2%	R
<b>DESCRIPTION</b> Dual-element gages widely used on bending-beam transducers.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.126	0.224	0.100	0.221	0.25	0.24
3.20	5.68	2.54	5.61	6.3	6.1

## S5167 GAGE PATTERN DATA

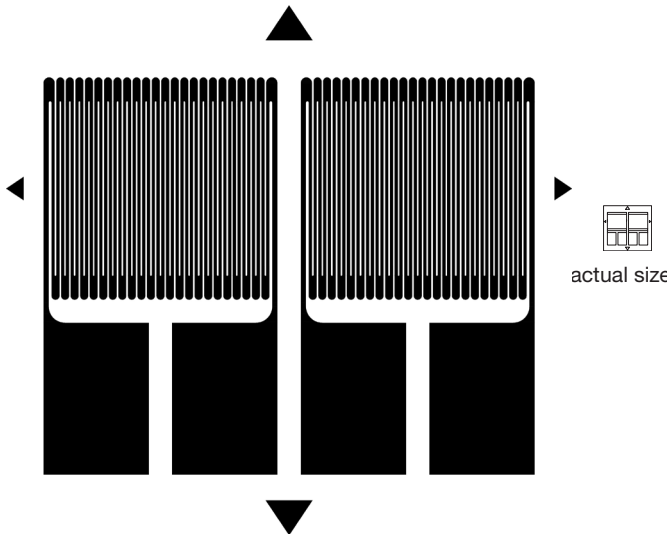

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5167R-350/E4	350 ±0.2%	R*
<b>DESCRIPTION</b> Dual-element gages widely used on bending-beam transducers.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125	0.215	0.100	0.220	0.28	0.28
3.18	5.46	2.54	5.59	7.1	7.1

\* Only creep code available for this gage.

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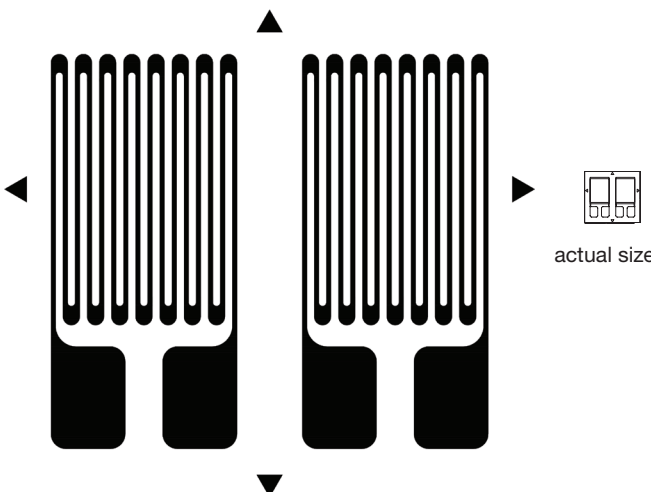

**S5249 GAGE PATTERN DATA**

	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5249R-10C/DG/E5 N5K-XX-S5249R-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	R* R*
<b>DESCRIPTION</b> Small dual-element gage designed for bending-beam transducers.			

GAGE DIMENSIONS					inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width	
0.075	0.170	0.100	0.210	0.24	0.25	
1.90	4.31	2.54	5.33	6.0	6.4	

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

**GAGE PATTERN DATA**

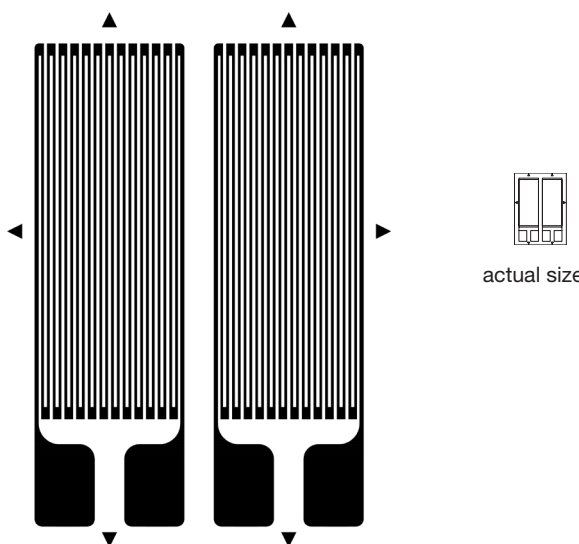

	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5348R-700/E5 N2A-XX-S5258R-10C/E5	700 ±0.2% 1000 ±0.2%	R* R*
<b>DESCRIPTION</b> Dual-element gages widely used on bending-beam transducers.			

GAGE DIMENSIONS					inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width	
0.125	0.212	0.100	0.235	0.27	0.29	
3.18	5.39	2.54	5.99	6.9	7.4	

\* Only creep code available for this gage.

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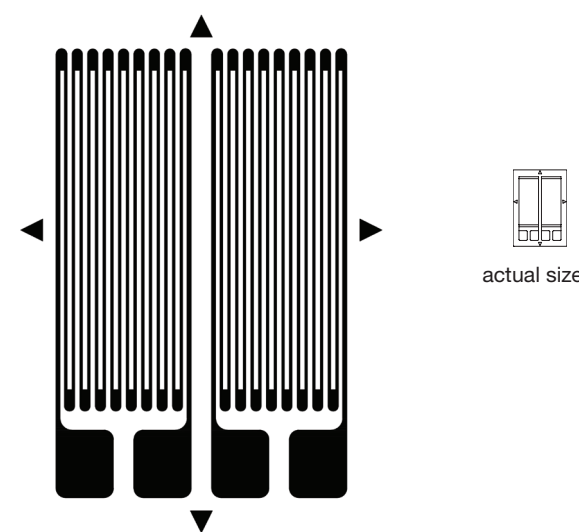

## S5083 GAGE PATTERN DATA

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5083P-10C/DG/E5 N5K-XX-S5083P-10C/DG/E5	1000 ±0.2% 1000 ±0.2%	P P
<b>DESCRIPTION</b> Widely used on bending-beam transducers where greater power dissipation is required.			 <b>RoHS</b> COMPLIANT

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.236	0.324	0.100	0.220	0.37	0.27
5.99	8.22	2.54	5.59	9.3	6.7

Copper plating for tabs is available.

## S5277 GAGE PATTERN DATA

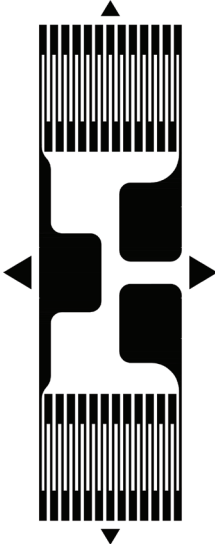

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5277X-350/E5	350 ±0.2%	X*
<b>DESCRIPTION</b> Widely used on bending-beam transducers where greater power dissipation is required.			 <b>RoHS</b> COMPLIANT

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.236	0.331	0.100	0.215	0.39	0.28
5.99	8.40	2.54	5.47	9.9	7.0

\* Only creep code available for this gage.

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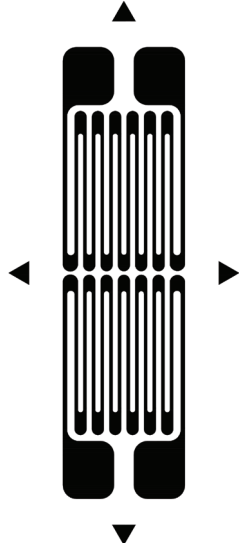

**S5375 GAGE PATTERN DATA**

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5375U-350/DG/E4	350 ±0.2%	U*
	N5K-XX-S5375U-350/DG/E4	350 ±0.2%	U*
<b>DESCRIPTION</b> Half-bridge common-tab pattern. Grid centerline spacing 0.164 in (4.17 mm).			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.030	0.194	0.063	0.063	0.25	0.10
0.76	4.93	1.60	1.60	6.4	2.6

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

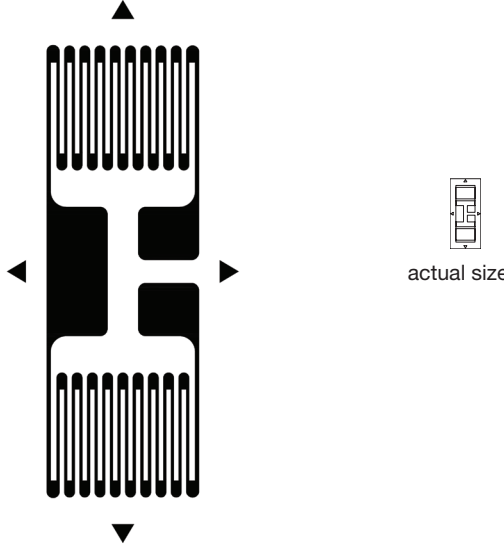

**S5333 GAGE PATTERN DATA**

 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5333P-350/DG/E4	350 ±0.2%	P*
	N5K-XX-S5333P-350/DG/E4	350 ±0.2%	P*
<b>DESCRIPTION</b> Dual-element pattern for narrow bending beams. Grid centerline spacing 0.080 in (2.03mm)			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062	0.230	0.062	0.062	0.29	0.13
1.57	5.84	1.57	1.57	7.3	3.2

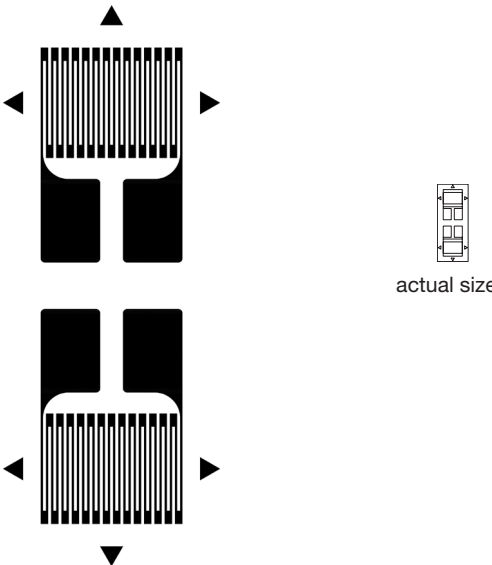

\* Only creep code available for this gage.  
Copper plating for tabs is available.

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S5266 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5266R-350/E5	350 ±0.2%	R*
<b>DESCRIPTION</b> Half-bridge common-tab pattern. Grid centerline spacing 0.215 in (5.46 mm).			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.285	0.100	0.100	0.36	0.16
1.52	7.24	2.54	2.54	9.3	4.1

\* Only creep code available for this gage.

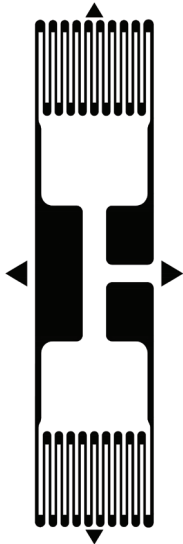


S5269 GAGE PATTERN DATA			
 <p>actual size</p>	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5269Q-350/DG/E5 N5K-XX-S5269Q-350/DG/E5	350 ±0.2% 350 ±0.2%	Q* Q*
<b>DESCRIPTION</b> Dual-element pattern for bending beams.			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.328	0.100	0.100	0.41	0.16
1.52	8.33	2.54	2.54	10.3	4.1

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

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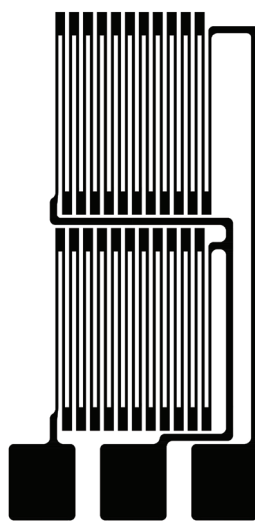


**S5297 GAGE PATTERN DATA**

  actual size	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2A-XX-S5297R-350/E5	350 ±0.2%	R*
<b>DESCRIPTION</b> Half-bridge common-tab pattern. Grid centerline spacing 0.350 in (8.89 mm).			

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.060	0.420	0.100	0.100	0.47	0.16
1.52	10.67	2.54	2.54	12.0	4.1

\* Only creep code available for this gage.

**S5070 GAGE PATTERN DATA**

  actual size	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5070Q-20C/DG/E3 N5K-XX-S5070Q-20C/DG/E3	2000 ±0.2% 2000 ±0.2%	Q* Q*
<b>DESCRIPTION</b> Half-bridge common-tab pattern.			

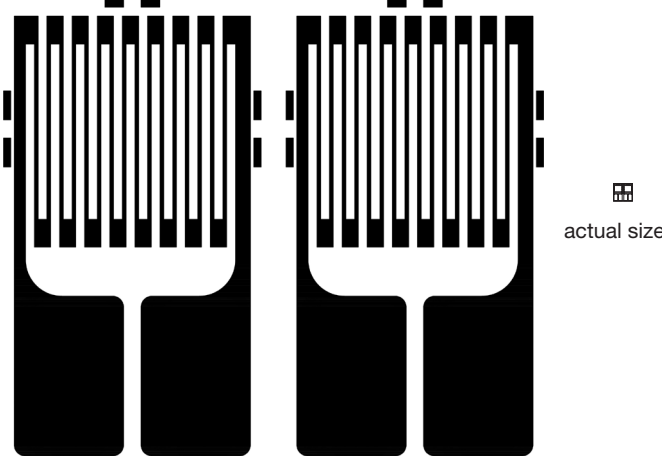

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062	0.201	0.062	0.098	0.25	0.13
1.58	5.11	1.58	2.49	6.3	3.2

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



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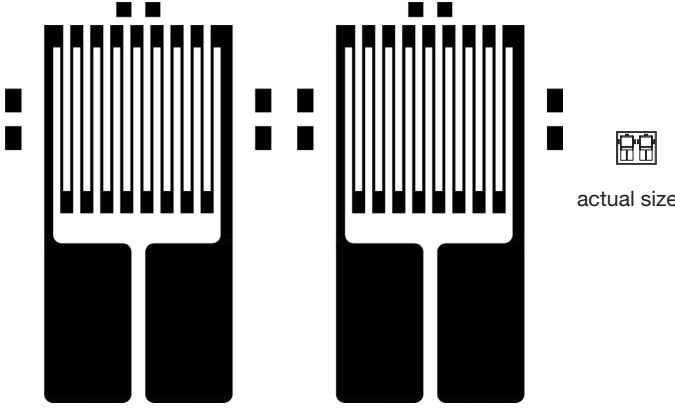

## S5280 GAGE PATTERN DATA

	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5280Q-50C/DG/E3	5000 ±0.2%	Q*
	N5K-XX-S5280Q-50C/DG/E3	5000 ±0.2%	Q*
<b>DESCRIPTION</b> Dual linear S5044 gage side by side.			 <b>RoHS</b> COMPLIANT

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.050	0.129	0.065	0.065	0.14	0.15
1.27	3.27	1.65	1.65	3.6	3.9

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

## S5054 GAGE PATTERN DATA

	GAGE DESIGNATION	RESISTANCE IN OHMS	STD. CREEP CODE
	N2K-XX-S5054K-50C/DG/E5	5000 ±0.2%	K*
	N5K-XX-S5054K-50C/DG/E5	5000 ±0.2%	K*
<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</b> COMPLIANT

GAGE DIMENSIONS					
				inch	millimeter
Grid Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.050	0.129	0.065	0.166	0.17	0.20
1.27	3.27	1.65	4.22	4.2	5.1

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

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