

## Transducer-Class<sup>®</sup> Strain Gages

<b>GAGE PATTERN</b>	Actual size shown. Enlarged when necessary for definition.	<b>GAGE DESIGNATION</b>	<b>RES. IN OHMS</b>	<b>STANDARD CREEP CODE</b>
	<b>DIMENSIONS</b>			

				Small dual-element gage designed for bending-beam transducers.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-S061P-350 N2K-XX-S085N-350/DP N2K-XX-S098N-10C/DP TK-XX-S085N-350/DP TK-XX-S098N-10C/DP SK-XX-S085N-350	350 ± 0.2% 350 ± 0.2% 1000 ± 0.2% 350 ± 0.2% 1000 ± 0.2% 350 ± 0.4%	P N N N N N
0.060	0.12	0.065	0.150			
1.52	3.1	1.65	3.81			
<b>MATRIX SIZE</b>	0.19 L x 0.21 W		4.8 L x 5.3 W			


				Compact dual-element pattern for bending-beam transducers.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	J2A-XX-S181N-350 J2A-XX-S185N-10C	350 ± 0.4% 1000 ± 0.4%	N N
0.075	0.17	0.100	0.210			
1.90	4.2	2.54	5.33			
<b>MATRIX SIZE</b>	0.24 L x 0.25 W		6.1 L x 6.4 W			


				Half-bridge common-tab pattern. Grid centerline spacing 0.215 in (5.46 mm).		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-S141K-175 N2A-XX-T028K-350 N2A-XX-S124N-10C	175 ± 0.2% 350 ± 0.2% 1000 ± 0.2%	K K N
0.060	0.29	0.100	0.100			
1.52	7.4	2.54	2.54			
<b>MATRIX SIZE</b>	0.37 L x 0.16 W		9.3 L x 4.1 W			

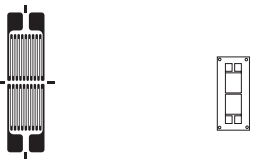


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	<b>DIMENSIONS</b>	<input type="checkbox"/> inch <input type="checkbox"/> millimeter			

				Half-bridge common-tab pattern. Grid centerline spacing 0.215 in (5.46mm).		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.060	0.29	0.180	0.180			
1.52	7.4	4.57	4.57			
<b>MATRIX SIZE</b>	0.37 L x 0.24 W		9.3 L x 6.1 W			
				N2K-XX-T011Q-350/DP TK-XX-T011Q-350/DP	350 ± 0.2% 350 ± 0.2%	Q Q

				Half-bridge common-tab pattern. Grid centerline spacing 0.415 in (10.54mm).		
T012R      T016/S1414				†BAL is balanced to ±0.2%, but RG is 350 ohms ± 15%.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.060	0.49	0.100	0.100			
1.52	12.4	2.54	2.54			
<b>MATRIX SIZE</b>	0.57 L x 0.16 W		14.5 L x 4.1 W			
				N2A-XX-T012R-350 N2A-XX-S1414-35B N2K-XX-T016Q-350/DP TK-XX-T016Q-350/DP	350 ± 0.2% BAL ± 0.2%† 350 ± 0.2% 350 ± 0.2%	R N/A Q Q

				Dual-element pattern for narrow bending beams. Grid centerline spacing 0.070 in (1.8mm).		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>			
0.062	0.233	0.062	0.062			
1.59	5.97	1.59	1.59			
<b>MATRIX SIZE</b>	0.28 L x 0.12 W		7.2 L x 3.1 W			
				N2A-XX-S1452-350 N2K-XX-S1451-350/DP TK-XX-S1451-350/DP	350 ± 0.2% 350 ± 0.2% 350 ± 0.2%	N/A N/A N/A

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				Dual-element gages widely used on bending-beam transducers.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-T006Q-350 J2A-XX-S035M-350 N2K-XX-S082R-350/DP N2K-XX-T092P-10C/DP TK-XX-S082R-350/DP TK-XX-T092P-10C/DP	350 ± 0.2% 350 ± 0.4% 350 ± 0.2% 1000 ± 0.2% 350 ± 0.2% 1000 ± 0.2%	Q M R P R P
0.125	0.20	0.065	0.150			
3.18	5.1	1.65	3.81			
<b>MATRIX SIZE</b>	0.27 L x 0.21 W		6.9 L x 5.3 W			

				Wider-grid versions of T006/S035 patterns.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-S138K-350 N2A-XX-S139N-10C J2A-XX-S138K-350 J2A-XX-S139N-10C	350 ± 0.2% 1000 ± 0.2% 350 ± 0.4% 1000 ± 0.4%	K N K N
0.125	0.21	0.100	0.220			
3.18	5.3	2.54	5.59			
<b>MATRIX SIZE</b>	0.28 L x 0.28 W		7.1 L x 7.1 W			

				Widely used on bending-beam transducers where greater power dissipation is required. J2A pattern slightly longer and wider.		
<b>GAGE LENGTH</b>	<b>OVERALL LENGTH</b>	<b>GRID WIDTH</b>	<b>OVERALL WIDTH</b>	N2A-XX-T026P-350 J2A-XX-S087Q-350	350 ± 0.2% 350 ± 0.4%	P Q
0.250	0.34	0.100	0.215			
6.35	8.6	2.54	5.46			
<b>MATRIX SIZE</b>	0.41 L x 0.28 W		10.4 L x 7.1 W			

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Datasheets for electronics components.