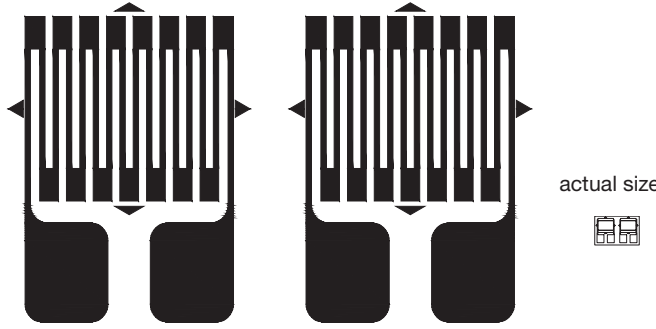

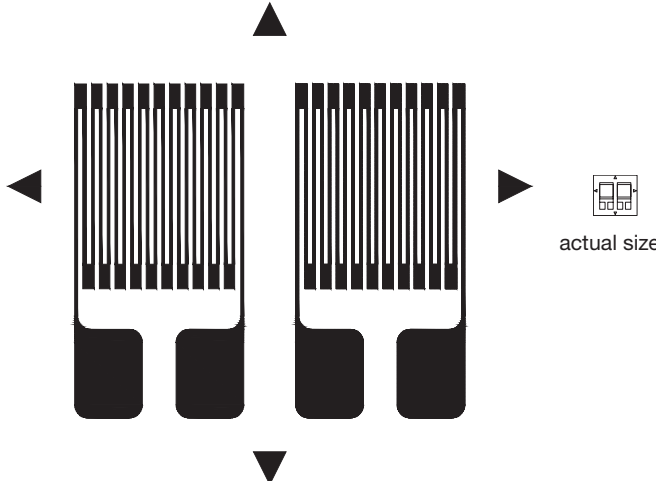



Transducer-Class® Strain Gages with Advanced Sensors Technology

| S5100 GAGE PATTERN DATA | | | |
|--|--|---------------------------|---|
|  <p>actual size</p> | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5100Q-10C/DG/E5 N5K-XX-S5100Q-10C/DG/E5 | 1000 ±0.2% 1000 ±0.2% | Q* Q* |
| DESCRIPTION Small dual-element gage designed for bending-beam transducers. | | |  RoHS COMPLIANT |

| GAGE DIMENSIONS | | | | | |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|
| | | | | inch | millimeter |
| Gage 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 |

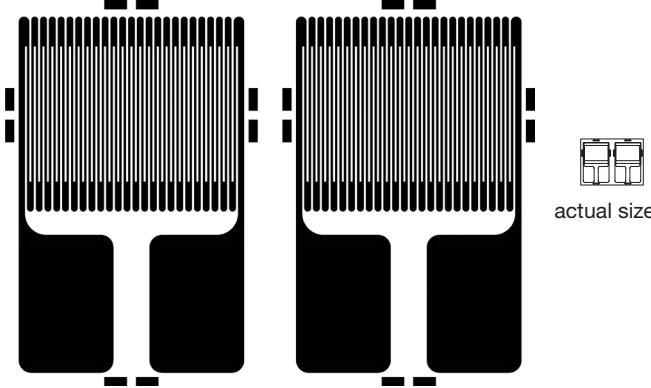

* Only creep code available for this gage.
Copper plating for tabs is available.

| S5081 GAGE PATTERN DATA | | | |
|--|--|---------------------------|---|
|  <p>actual size</p> | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5081Q-10C/DG/E4 N5K-XX-S5081Q-10C/DG/E4 | 1000 ±0.2% 1000 ±0.2% | Q* Q* |
| DESCRIPTION Small dual-element gage designed for bending-beam transducers. | | |  RoHS COMPLIANT |

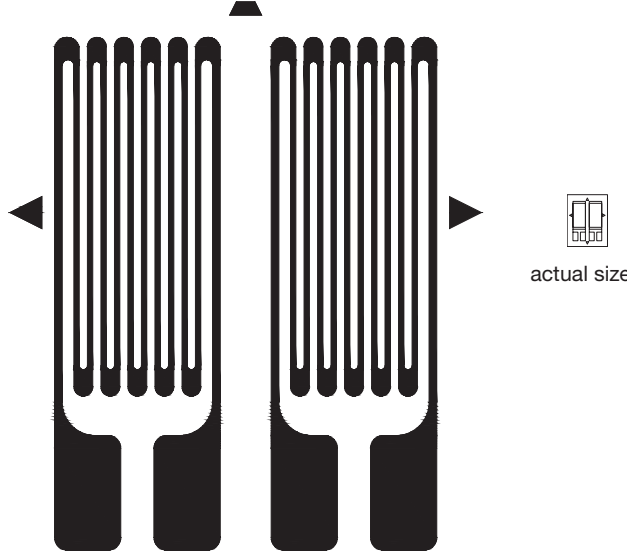

| GAGE DIMENSIONS | | | | | |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|
| | | | | inch | millimeter |
| Gage Length | Overall Length | Grid Width | Overall Width | Matrix Length | Matrix Width |
| 0.060 | 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.

Transducer-Class® Strain Gages with Advanced Sensors Technology

| 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 |
| DESCRIPTION Small dual-element gage designed for bending-beam transducers. | | |  RoHS COMPLIANT |

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | | |

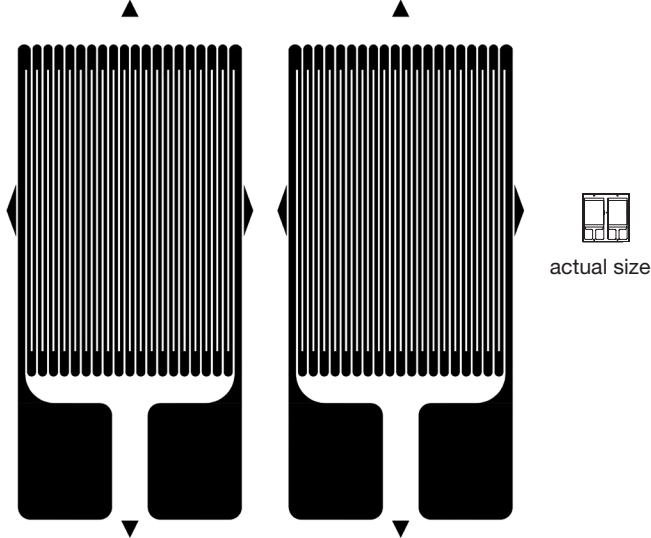

| S5377 GAGE PATTERN DATA | | | |
|--|--|---------------------------|--|
|  <p>actual size</p> | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5377R-350/DG/E4 N5K-XX-S5377R-350/DG/E4 | 350 ±0.2% 350 ±0.2% | R* R* |
| DESCRIPTION Dual-element gages widely used on bending-beam transducers.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

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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.

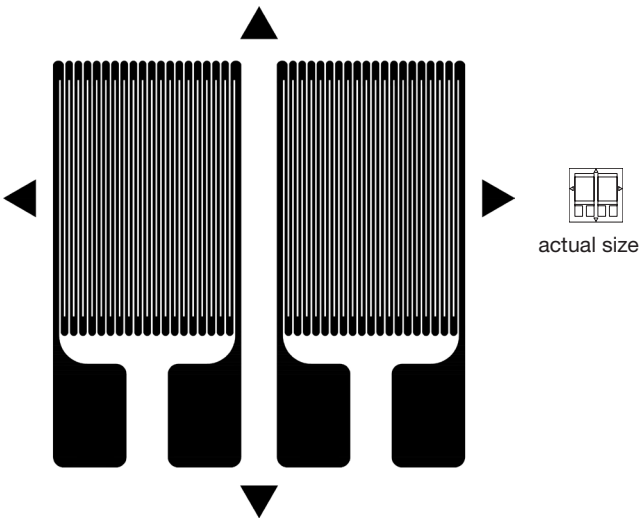

Transducer-Class® Strain Gages with Advanced Sensors Technology

S5119 GAGE PATTERN DATA

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

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | | |

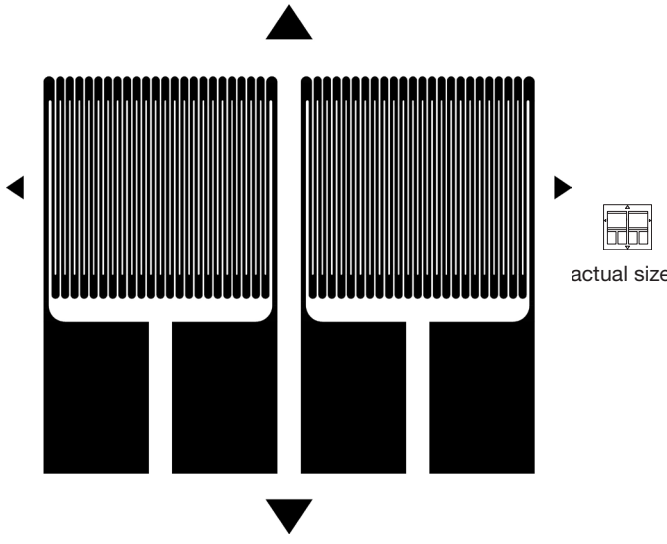

S5167 GAGE PATTERN DATA

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

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | | |

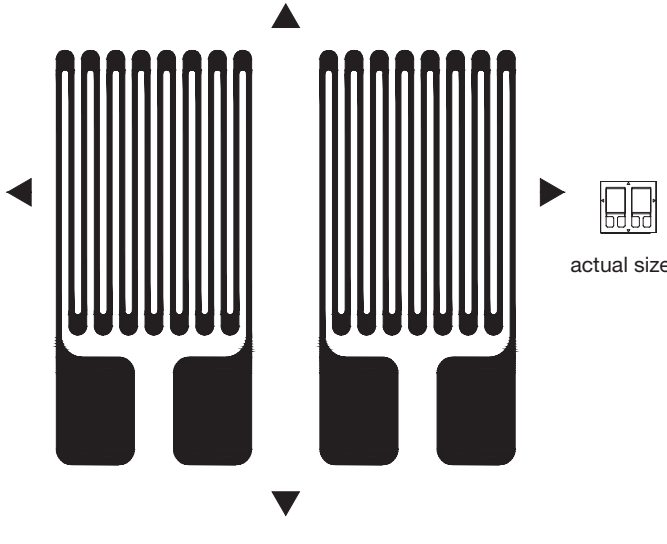

* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

| 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* |
| DESCRIPTION | | |  |
| Small dual-element gage designed for bending-beam transducers. | | | |

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | | |

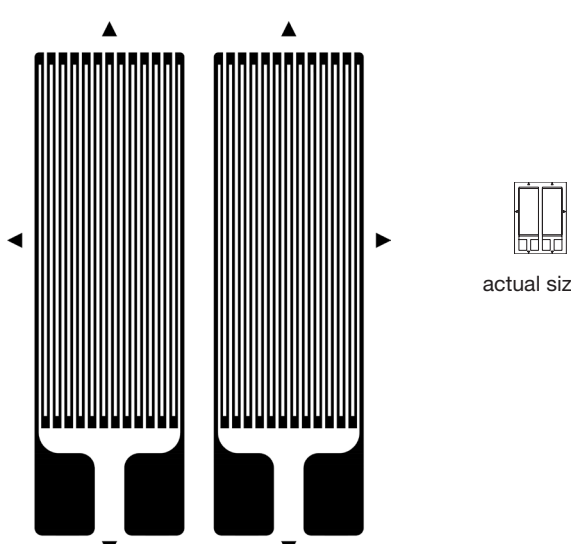

* Only creep code available for this gage.
Copper plating for tabs is available.

| 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* |
| DESCRIPTION | | |  |
| Dual-element gages widely used on bending-beam transducers. | | | |

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | | |

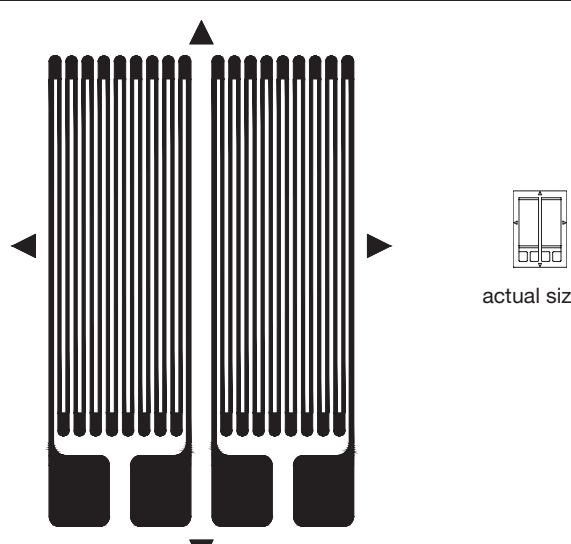

* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

| S5083 GAGE PATTERN DATA | | | |
|--|--|---|--|
|  <p>actual size</p> | GAGE DESIGNATION N2K-XX-S5083P-10C/DG/E5 N5K-XX-S5083P-10C/DG/E5 | RESISTANCE IN OHMS 1000 ±0.2% 1000 ±0.2% | STD. CREEP CODE P P |
| | DESCRIPTION Widely used on bending-beam transducers where greater power dissipation is required. | |  RoHS COMPLIANT |

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|-------------|-------------------|
| Gage 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 | | |

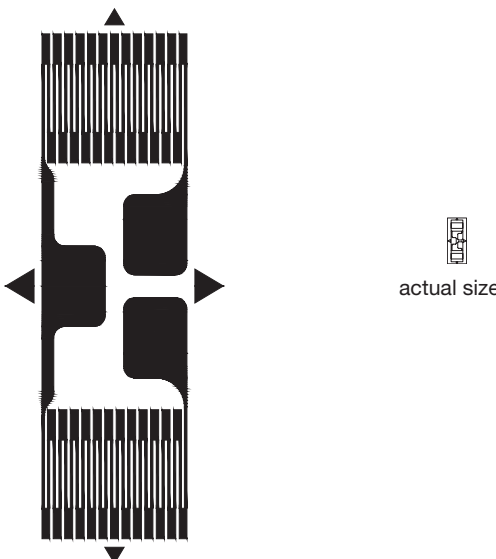

Copper plating for tabs is available.

| S5277 GAGE PATTERN DATA | | | |
|--|--|--|--|
|  <p>actual size</p> | GAGE DESIGNATION N2A-XX-S5277X-350/E5 | RESISTANCE IN OHMS 350 ±0.2% | STD. CREEP CODE X* |
| | DESCRIPTION Widely used on bending-beam transducers where greater power dissipation is required. | |  RoHS COMPLIANT |

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|-------------|-------------------|
| Gage 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 | | |

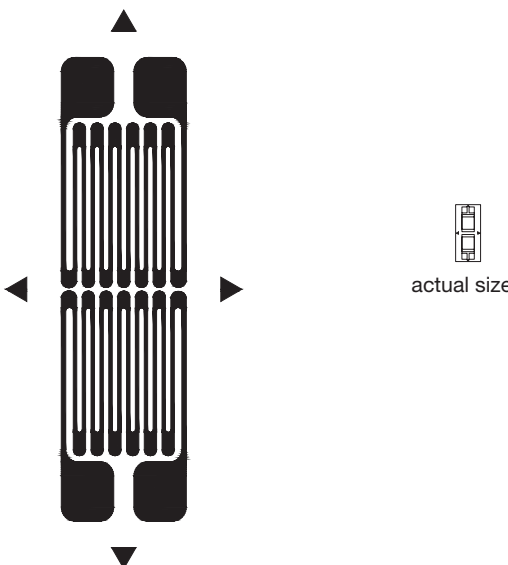

* Only creep code available for this gage.

Transducer-Class® Strain Gages with Advanced Sensors Technology

| S5375 GAGE PATTERN DATA | | | |
|--|--|---------------------------|---|
|  | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5375U-350/DG/E4 N5K-XX-S5375U-350/DG/E4 | 350 ±0.2% 350 ±0.2% | U* U* |
| DESCRIPTION Half-bridge common-tab pattern. Grid centerline spacing 0.164 in (4.17 mm). | | |  |

| GAGE DIMENSIONS | | | | | |
|------------------------|----------------|------------|---------------|---------------|--------------|
| | | | | inch | millimeter |
| Gage 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 |

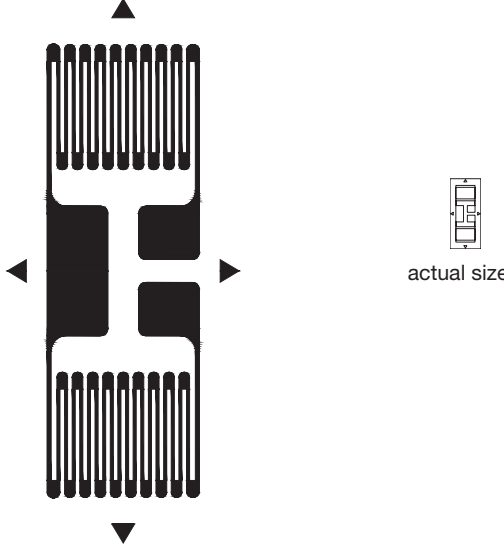

* Only creep code available for this gage.
Copper plating for tabs is available.

| S5333 GAGE PATTERN DATA | | | |
|---|--|---------------------------|---|
|  | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5333P-350/DG/E4 N5K-XX-S5333P-350/DG/E4 | 350 ±0.2% 350 ±0.2% | P* P* |
| DESCRIPTION Dual-element pattern for narrow bending beams. Grid centerline spacing 0.080 in (2.03mm) | | |  |

| GAGE DIMENSIONS | | | | | |
|------------------------|----------------|------------|---------------|---------------|--------------|
| | | | | inch | millimeter |
| Gage 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 |

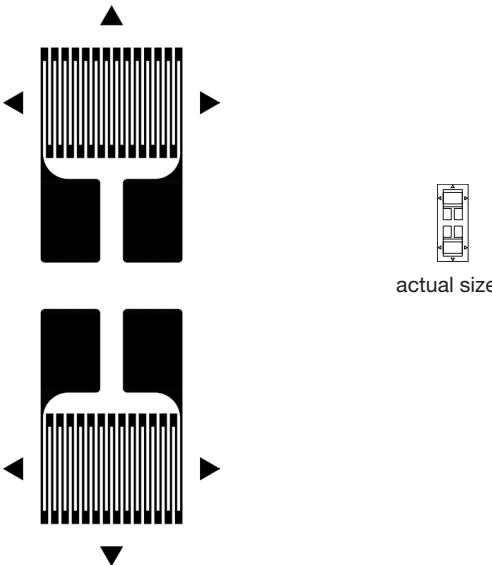

* Only creep code available for this gage.
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

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

| GAGE DIMENSIONS | | | | | |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|
| | | | | inch | millimeter |
| Gage 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 |

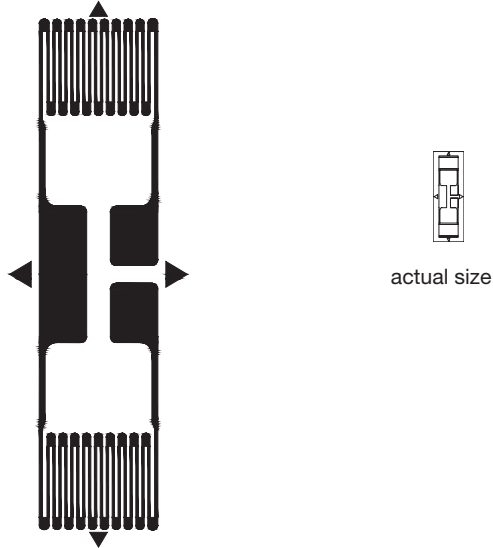

* Only creep code available for this gage.

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

| GAGE DIMENSIONS | | | | | |
|------------------------|-----------------------|-------------------|----------------------|----------------------|---------------------|
| | | | | inch | millimeter |
| Gage 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 |

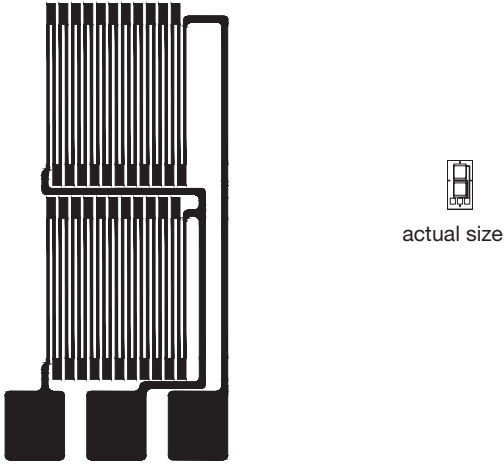

* Only creep code available for this gage.
Copper plating for tabs is available.

Transducer-Class® Strain Gages with Advanced Sensors Technology

| S5297 GAGE PATTERN DATA | | | |
|--|-------------------------|---------------------------|---|
|  | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2A-XX-S5297R-350/E5 | 350 ±0.2% | R* |
| DESCRIPTION Half-bridge common-tab pattern. Grid centerline spacing 0.350 in (8.89 mm). | | |  |

| GAGE DIMENSIONS | | | | | |
|-----------------|----------------|------------|---------------|---------------|--------------|
| | | | | inch | millimeter |
| Gage 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.

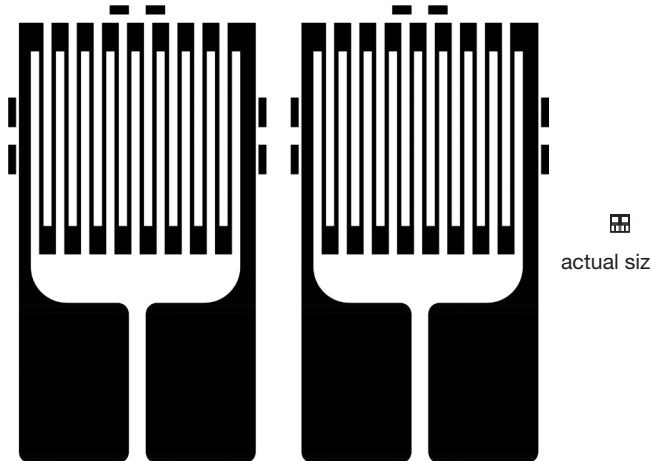

| S5070 GAGE PATTERN DATA | | | |
|---|--|---------------------------|---|
|  | GAGE DESIGNATION | RESISTANCE IN OHMS | STD. CREEP CODE |
| | N2K-XX-S5070Q-20C/DG/E3 N5K-XX-S5070Q-20C/DG/E3 | 2000 ±0.2% 2000 ±0.2% | Q* Q* |
| DESCRIPTION Half-bridge common-tab pattern. | | |  |

| GAGE DIMENSIONS | | | | | |
|-----------------|----------------|------------|---------------|---------------|--------------|
| Gage 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.

Transducer-Class® Strain Gages with Advanced Sensors Technology

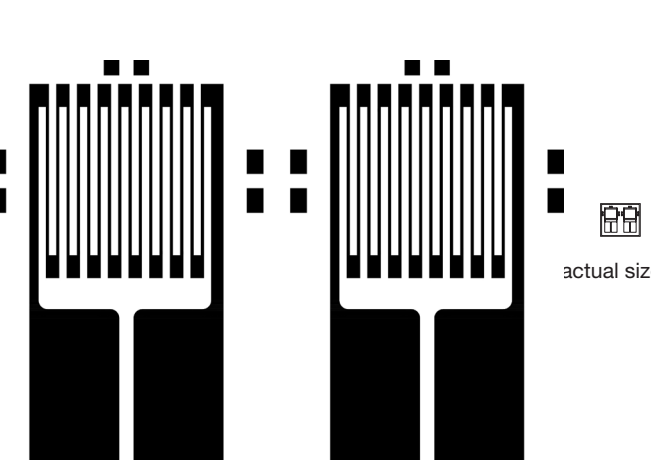

S5280 GAGE PATTERN DATA

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

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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 | 1.65 | 1.65 | 4.2 | 2.5 | | |

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

S5054 GAGE PATTERN DATA

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

| GAGE DIMENSIONS | | | | | | inch | millimeter |
|-----------------|----------------|------------|---------------|---------------|--------------|------|------------|
| Gage 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.