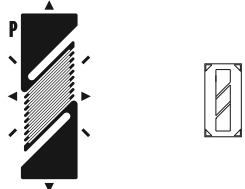
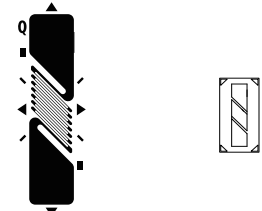


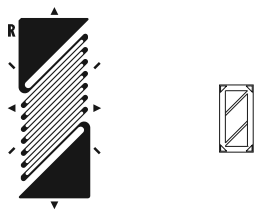
Shear Patterns - Single Grid

Transducer-Class® Strain Gages

GAGE PATTERN	Actual size shown. Enlarged when necessary for definition.	GAGE DESIGNATION See Note 1	RES. IN OHMS	STANDARD CREEP CODE	ENCAPSU- LATION OPTION AVAILABLE
	DIMENSIONS				

				Single-element miniature shear pattern. †S199 and S112 patterns have the same dimensions as the S223 pattern shown below.	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH		
0.075	0.220†	0.060	0.075		
1.91	5.59†	1.52	1.91		
MATRIX SIZE	0.28 L x 0.14 W		7.1 L x 3.6 W		
				N2A-XX-S069P-350 J2A-XX-S199N-350 N2K-XX-S112Q-350/DP J5K-XX-S112Q-350/DP	350 ± 0.15% 350 ± 0.3% 350 ± 0.15% 350 ± 0.3%
				P N Q Q	E3 E3


				Right-hand version of S112Q pattern.	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH		
0.075	0.320	0.060	0.075		
1.90	8.13	1.52	1.90		
MATRIX SIZE	0.38 L x 0.19 W		9.6 L x 4.8 W		
				N2K-XX-S223Q-350/DP J5K-XX-S223Q-350	350 ± 0.15% 350 ± 0.3%
				Q Q	E3

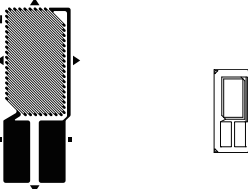
				Single-element shear patterns. Some slight dimensional variation with pattern. †J2A pattern has 0.42 in (10.7mm) overall length and slightly longer matrix.	
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH		
0.125	0.290†	0.105	0.105		
3.18	7.37†	2.67	2.67		
MATRIX SIZE	0.36 L x 0.18 W		9.1 L x 4.6 W		
				N2A-XX-S028T-175 N2A-XX-S088K-350 J2A-XX-S117R-175 J2A-XX-S091K-350 N2K-XX-S026Y-175/DP N2K-XX-S090R-350/DP N2K-XX-S089K-10C/DP TK-XX-S026Y-175/DP TK-XX-S090R-350/DP TK-XX-S089K-10C/DP	175 ± 0.15% 350 ± 0.15% 175 ± 0.3% 350 ± 0.3% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15% 175 ± 0.15% 350 ± 0.15% 1000 ± 0.15%
				T K R K Y R K Y R K	E3 E3 E3 E3 E3

Note 1: All products are RoHS compliant.

Transducer-Class® Strain Gages

GAGE PATTERN	Actual size shown. Enlarged when necessary for definition.	GAGE DESIGNATION See Note 1	RES. IN OHMS	STANDARD CREEP CODE	ENCAPSU- LATION OPTION AVAILABLE
	DIMENSIONS				

				Right-hand versions of S091K and S090R patterns. †J2A pattern has 0.42 in (10.7mm) overall length and slightly longer matrix.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	J2A-XX-S149K-350 N2K-XX-S142R-350/DP TK-XX-S142R-350/DP	350 ± 0.3% 350 ± 0.15% 350 ± 0.15%	K R R	E3
0.125	0.290†	0.100	0.115				
3.18	7.37†	2.54	2.92				
MATRIX SIZE	0.36 L x 0.18 W		9.1 L x 4.6 W				

				Single-element shear pattern with tabs on one end.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	J2A-XX-S177N-350	350 ± 0.3%	N	
0.141	0.361	0.198	0.132				
3.58	9.17	5.03	3.35				
MATRIX SIZE	0.43 L x 0.20 W		10.9 L x 5.1 W				

Note 1: All products are RoHS compliant.

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