

Tee Rosettes (General-Use)

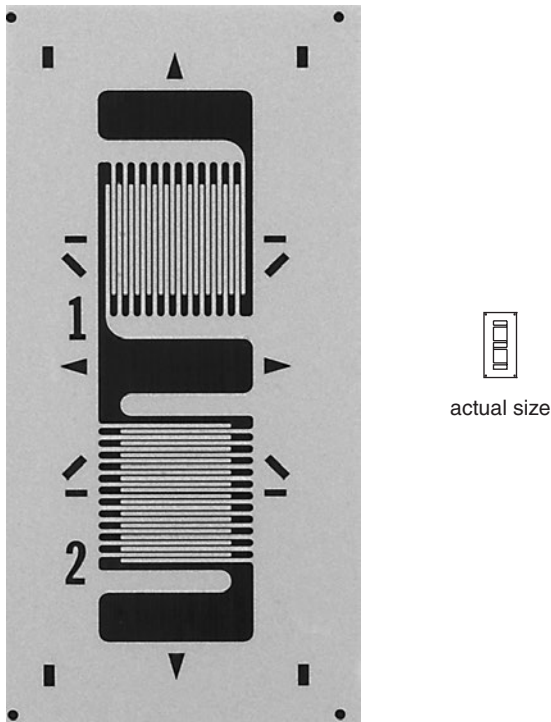
FEATURES

- Gage patterns designed for measuring orthogonal strains
- All patterns have two grids oriented at 0° and 90° angles
- Both stacked and planar constructions available
- Gage lengths from 0.050" (1.27 mm) to 0.250" (6.35 mm)

PATTERNS

050TG	66
062LT	67
062TJ	68
062TT	69
062TZ	70
062UT	71
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120WT	73
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125TG	75
125TM	76
125UT	77
125WT	78
250TM	79
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Other Tee Rosettes	81

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA								
 <p style="text-align: center; margin-top: 10px;">actual size</p>			GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3			
			EA-XX-050TG-350 WA-XX-050TG-350 EP-08-050TG-350 SA-XX-050TG-350	350 ± 0.2% 350 ± 0.4% 350 ± 0.2% 350 ± 0.4%	L, LE			
DESCRIPTION Miniature high-resistance 90° tee rosette. Sections have a common solder tab.								
GAGE DIMENSIONS		Legend						
		ES = Each Section S = Section (S1 = Section 1)		CP = Complete Pattern M = Matrix		<table border="1" style="margin: auto; border-collapse: collapse;"> <tr><td style="padding: 2px;">inch</td></tr> <tr><td style="padding: 2px;">millimeter</td></tr> </table>	inch	millimeter
inch								
millimeter								
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width			
0.050 ES	0.250 CP	0.070 ES	0.070 CP	0.34	0.17			
1.27 ES	6.35 CP	1.78 ES	1.78 CP	8.6	4.3			

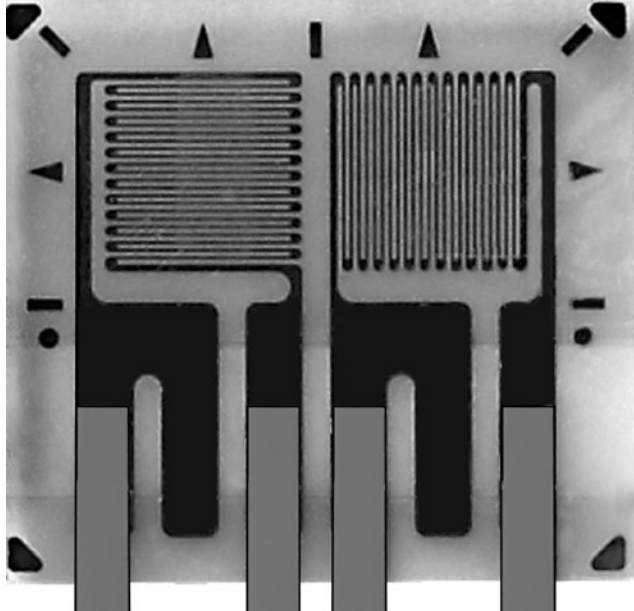

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±3%	-100° to +350°F (-75° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
EP	Annealed constantan foil with tough, high-elongation polyimide backing.	±10%	-100° to +400°F (-75° to +205°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)

Note 1: Insert desired S-T-C number in spaces marked XX.


Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.


General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA					
 <p style="text-align: center;">actual size</p>			GAGE DESIGNATION See Note 1	RESISTANCE (OHMS)	OPTIONS AVAILABLE
			L2A-XX-062LT-120 L2A-XX-062LT-350 C2A-XX-062LT-120 C2A-XX-062LT-350	120 ± 0.6% 350 ± 0.6% 120 ± 0.6% 350 ± 0.6%	
DESCRIPTION General-purpose 90° rosette.					
GAGE DIMENSIONS		Legend ES = Each Section S = Section (S1 = Section 1)			<input type="checkbox"/> inch <input type="checkbox"/> millimeter
				CP = Complete Pattern	
				M = Matrix	
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062	0.164	0.070	0.170	0.210	0.230
1.52	4.17	1.78	4.32	5.33	5.84

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
L2A	Encapsulated constantan gages with preattached ribbon leads.	±3%	-100° to +250°F (-75° to +120°C)
C2A	Encapsulated constantan gages with preattached ready-to-use cables.	±3%	-60° to +180°F (-50° to +80°C)



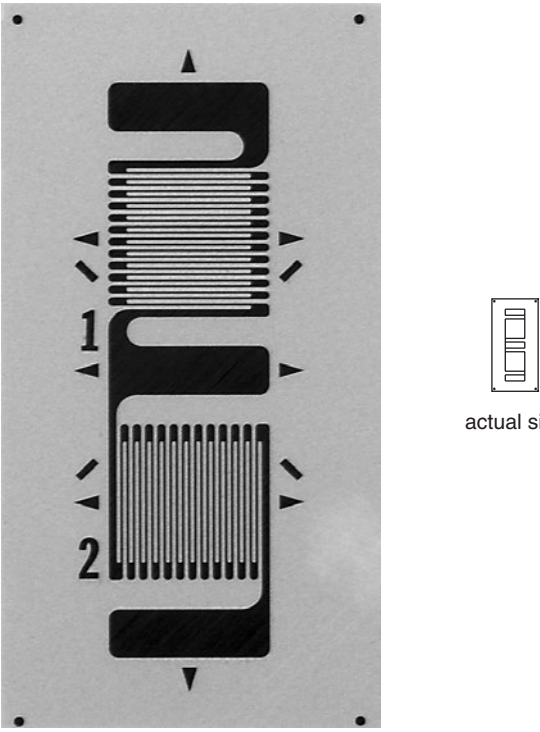
Example of an
L2A Construction



Example of an
C2A Construction

Note 1: Insert desired S-T-C number in spaces marked XX.

General Purpose Strain Gages – Tee Rosette

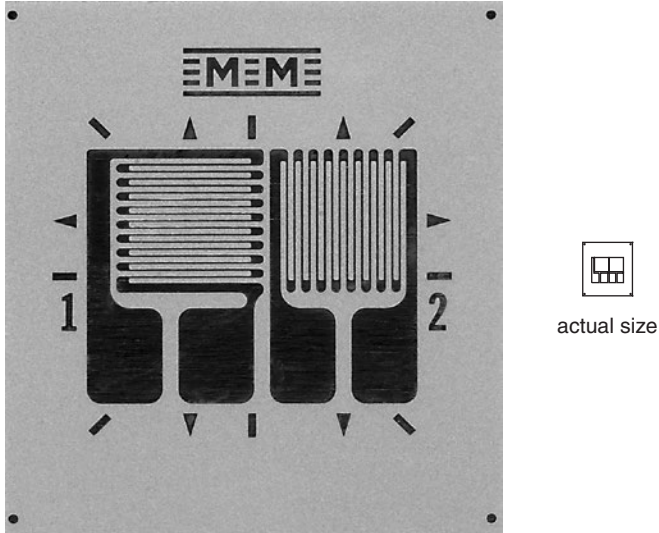
GAGE PATTERN DATA					
 <p style="text-align: center; margin-top: 10px;">actual size</p>			<p style="text-align: center;">GAGE DESIGNATION</p> <p style="text-align: center;">See Note 1, 2</p>	<p style="text-align: center;">RESISTANCE (OHMS)</p>	<p style="text-align: center;">OPTIONS AVAILABLE</p> <p style="text-align: center;">See Note 2</p>
			<p>EA-XX-062TJ-120 EA-XX-062TJ-350 SA-XX-062TJ-120 SA-XX-062TJ-350</p>	<p>120 ± 0.2% 350 ± 0.2% 120 ± 0.4% 350 ± 0.4%</p>	
<p>DESCRIPTION</p> <p>General-purpose 90° tee rosette. Sections have a common solder tab.</p>					
GAGE DIMENSIONS		Legend			
		ES = Each Section S = Section (S1 = Section 1)		CP = Complete Pattern M = Matrix	
				inch	millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062 ES	0.295 CP	0.080 ES	0.080 CP	0.38	0.19
1.57 ES	7.49 CP	2.03 ES	2.03 CP	12.2	4.8

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±3%	-100° to +350°F (-75° to +175°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA					
		GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3	
		EA-XX-062TT-120 EA-XX-062TT-350 EK-XX-062TT-350 WA-XX-062TT-120 WA-XX-062TT-350 WK-XX-062TT-350 EP-XX-062TT-120 EP-XX-062TT-350 SA-XX-062TT-120 SA-XX-062TT-350 SK-XX-062TT-350	120 ± 0.2% 350 ± 0.2% 350 ± 0.2% 120 ± 0.4% 350 ± 0.4% 350 ± 0.4% 120 ± 0.2% 350 ± 0.2% 120 ± 0.4% 350 ± 0.4% 350 ± 0.4%	W, E, L, LE W, E, L, LE W, SE W* W* W*	
DESCRIPTION General-purpose 90° tee rosette. Sections are electrically independent. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified.					
GAGE DIMENSIONS		Legend ES = Each Section S = Section (S1 = Section 1) CP = Complete Pattern M = Matrix			<input type="checkbox"/> inch <input type="checkbox"/> millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062 ES	0.133 CP	0.075 ES	0.168 CP	0.28	0.26
1.57 ES	3.38 CP	1.91 ES	4.27 CP	7.1	6.6

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±3%	-100° to +350°F (-75° to +175°C)
EK	K-alloy foil in combination with a tough, flexible polyimide backing.	±1.5%	-320° to +350°F (-195° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F (-269° to +290°C)
EP	Annealed constantan foil with tough, high-elongation polyimide backing.	±10%	-100° to +400°F (-75° to +205°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)

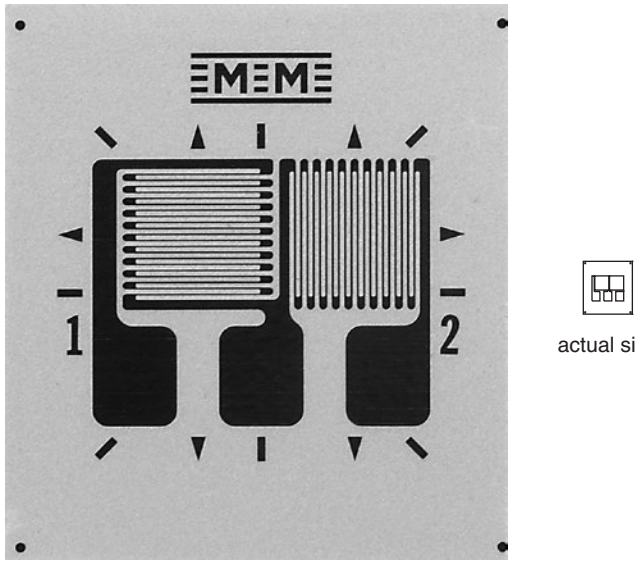
Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA							
 <p>actual size</p>		GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3			
		EA-XX-062TZ-350 WA-XX-062TZ-350 WK-XX-062TZ-120 SA-XX-062TZ-350 SK-XX-062TZ-120	350 ± 0.2% 350 ± 0.4% 120 ± 0.4% 350 ± 0.4% 120 ± 0.4%	W, E, L, LE			
DESCRIPTION General-purpose 90° tee rosette. Similar in geometry to 062TT pattern except common tab version.							
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix					
				<table border="1"> <tr><td>inch</td></tr> <tr><td>millimeter</td></tr> </table>	inch	millimeter	
inch							
millimeter							
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.062 ES	0.133 CP	0.075 ES	0.168 CP	0.28	0.26		
1.57 ES	3.38 CP	1.91 ES	4.27 CP	7.1	6.6		

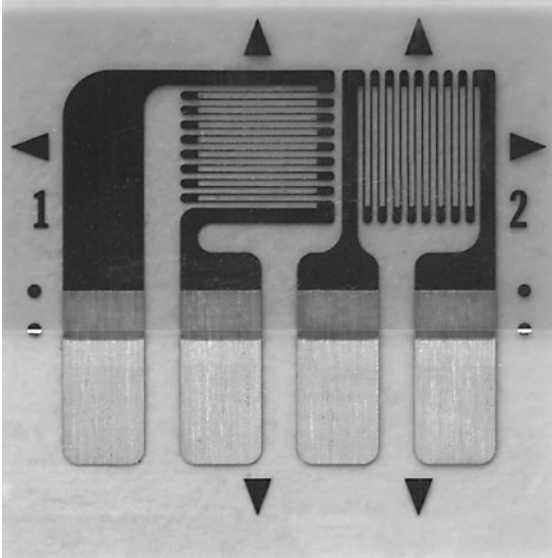
GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±3%	-100° to +350°F (-75° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F (-269° to +290°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

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Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

General Purpose Strain Gages – Tee Rosette

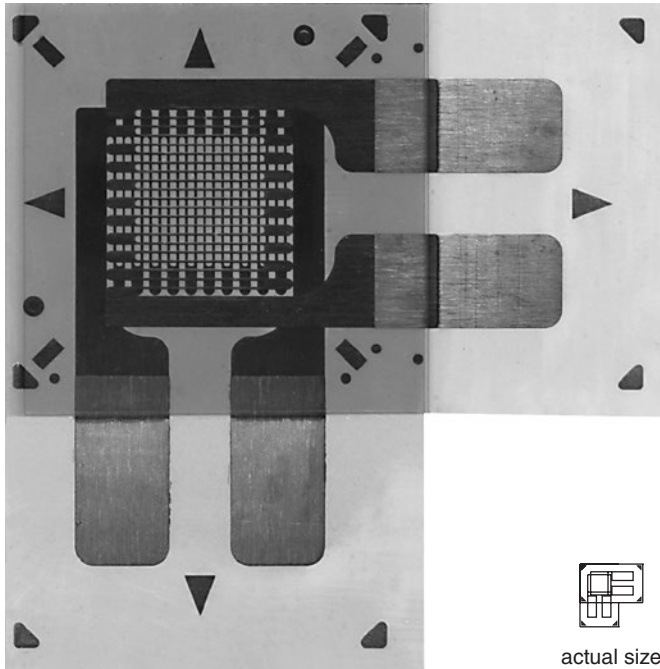

GAGE PATTERN DATA					
 <p style="text-align: center;">actual size</p>			GAGE DESIGNATION See Note 1	RESISTANCE (OHMS)	OPTIONS AVAILABLE See Note 2
			CEA-XX-062UT-120 CEA-XX-062UT-350	120 ± 0.4% 350 ± 0.4%	P2 P2
DESCRIPTION Small general-purpose two-element 90° tee rosette. Exposed solder tab area 0.07 x 0.04 in (1.8 x 1.0 mm).					
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix			<input type="checkbox"/> inch <input type="checkbox"/> millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.062 ES	0.205 CP	0.080 ES	0.225 CP	0.31	0.31
1.57 ES	5.21 CP	2.03 ES	5.72 CP	7.9	7.9

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
CEA	Universal general-purpose strain gages.	±3%	-100° to +350°F (-75° to +175°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Products with designations and options shown in bold are not RoHS compliant.

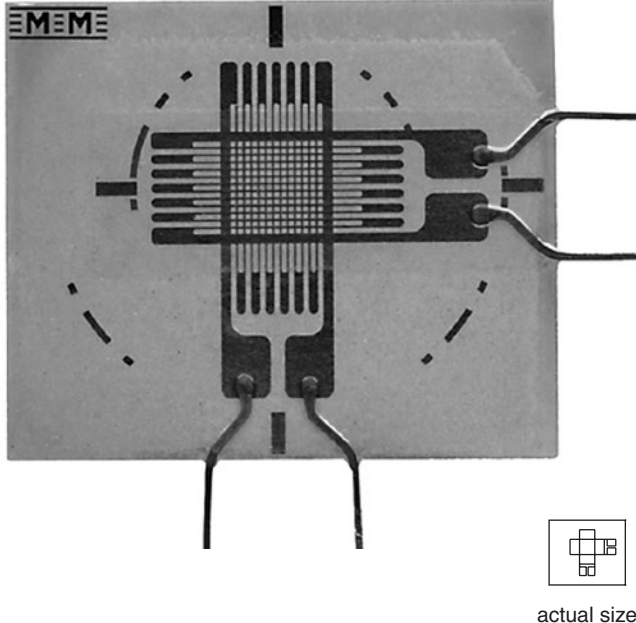
General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA						
 <p style="text-align: center;">actual size</p>	GAGE DESIGNATION See Note 1		RESISTANCE (OHMS)		OPTIONS AVAILABLE	
	CEA-XX-062WT-120 CEA-XX-062WT-350		120 ± 0.5% 350 ± 0.5%			
	DESCRIPTION Small two-element 90° stacked rosette. Exposed solder tab area 0.07 x 0.04 in (1.8 x 1.0 mm). Maximum operating temperature +150°F (+65°C).					
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix			<input type="checkbox"/> inch <input type="checkbox"/> millimeter	
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width	
0.062 ES	0.235 CP	0.120 ES	0.235 CP	0.33	0.33	
1.57 ES	5.97 CP	3.05 ES	5.97 CP	8.3	8.3	

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
CEA	Universal general-purpose strain gages.	±3%	-100° to +150°F (-75° to +65°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

General Purpose Strain Gages – Tee Rosette

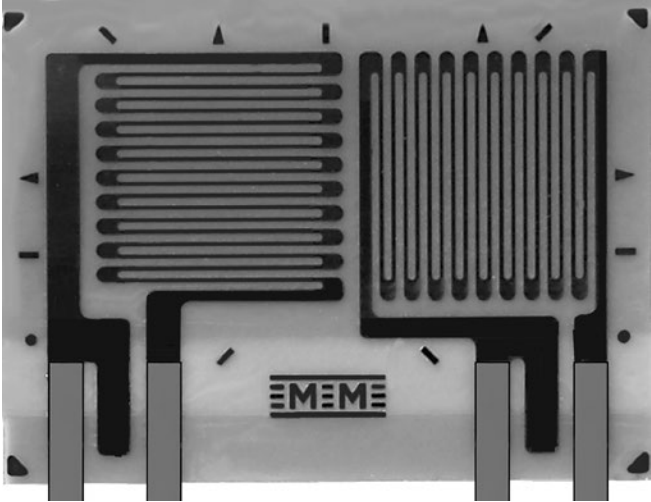


GAGE PATTERN DATA					
			GAGE DESIGNATION See Note 1, 2	RESISTANCE (OHMS)	OPTIONS AVAILABLE See Note 2
			WA-XX-120WT-120 WA-XX-120WT-350 WD-DY-120WT-350 WK-XX-120WT-120 WK-XX-120WT-350 SA-XX-120WT-120 SA-XX-120WT-350 SK-XX-120WT-120 SK-XX-120WT-350 SD-DY-120WT-350	120 ± 0.5% 350 ± 0.5% 350 ± 0.5% 120 ± 0.5% 350 ± 0.5% 120 ± 0.5% 350 ± 0.5% 120 ± 0.5% 350 ± 0.5% 350 ± 0.5%	
			DESCRIPTION Two-element 90° tee stacked rosette. See also 125WT pattern.		
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix			
					<input type="checkbox"/> inch <input type="checkbox"/> millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.120 ES	0.34 M	0.080 ES	0.040 M	0.34	0.40
3.05 ES	8.6 M	2.03 ES	10.2 M	8.6	10.2

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
WD	Fully encapsulated isoelastic gages with high-endurance leadwires.	±1.5%	-320° to +500°F (-195° to +260°C)
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F (-269° to +290°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)
SD	Equivalent to WD Series, but with solder dots instead of leadwires.	±1.5%	-320° to +400°F (-195° to +205°C)



Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Products with designations and options shown in bold are not RoHS compliant.

General Purpose Strain Gages – Tee Rosette

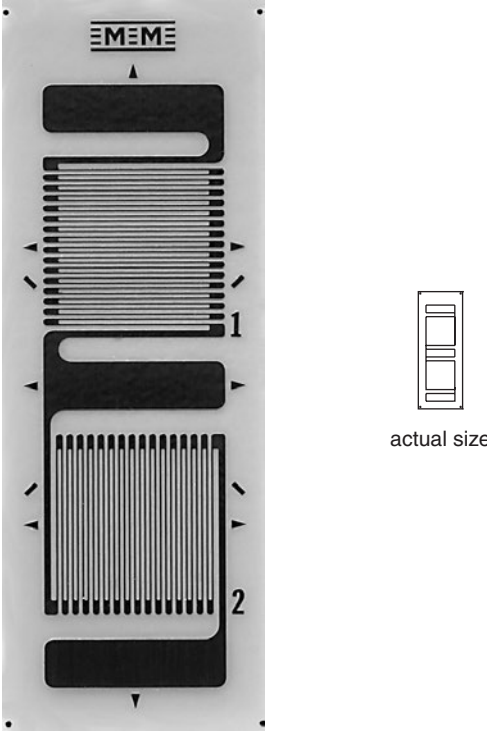
GAGE PATTERN DATA					
			GAGE DESIGNATION See Note 1	RESISTANCE (OHMS)	OPTIONS AVAILABLE
			L2A-XX-125LT-120 L2A-XX-125LT-350 C2A-XX-125LT-120 C2A-XX-125LT-350	120 ± 0.6% 350 ± 0.6% 120 ± 0.6% 350 ± 0.6%	
 <p>actual size</p>			DESCRIPTION General-purpose 90° rosette.		
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix			inch millimeter
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125 ES	0.243 CP	0.150 ES	0.340 CP	0.290	0.400
3.18 ES	6.17 CP	3.81 ES	8.64 CP	7.37	10.16

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
L2A	Encapsulated constantan gages with preattached ribbon leads.	±3%	-100° to +250°F (-75° to +120°C)
C2A	Encapsulated constantan gages with preattached ready-to-use cables.	±3%	-60° to +180°F (-50° to +80°C)

 <p>Example of an L2A Construction</p>	 <p>Example of an C2A Construction</p>
---	--

Note 1: Insert desired S-T-C number in spaces marked XX.

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA							
		GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3			
		EA-XX-125TG-350 EK-XX-125TG-10C WA-XX-125TG-350 SA-XX-125TG-350 SK-XX-125TG-10C	350 ± 0.2% 1000 ± 0.2% 350 ± 0.4% 350 ± 0.4% 1000 ± 0.4%	L, LE SE			
DESCRIPTION General-purpose two-element 90° tee rosette with high-resistance grid. Sections have a common electrical connection. EK-Series gages are supplied with duplex copper dots (DD) when optional feature SE is not specified.							
GAGE DIMENSIONS		Legend			<table border="1"> <tr><td>inch</td></tr> <tr><td>millimeter</td></tr> </table>	inch	millimeter
inch							
millimeter							
ES = Each Section	CP = Complete Pattern						
S = Section (S1 = Section 1)	M = Matrix						
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.125 ES	0.500 CP	0.150 ES	0.150 CP	0.61	0.23		
3.18 ES	12.70 CP	3.81 ES	3.81 CP	15.5	5.8		


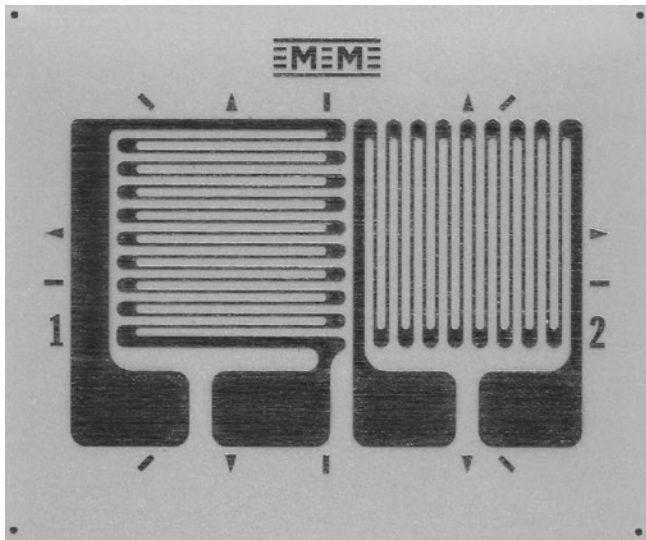

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±5%	-100° to +350°F (-75° to +175°C)
EK	K-alloy foil in combination with a tough, flexible polyimide backing.	±1.5%	-320° to +350°F (-195° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA					
   <p>actual size</p>			GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3
			EA-XX-125TM-120 WA-XX-125TM-120 WK-XX-125TM-350 EP-08-125TM-120 SA-XX-125TM-120 SK-XX-125TM-350	120 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.2% 120 ± 0.4% 350 ± 0.4%	W, E, L, LE W* W*
DESCRIPTION General-purpose two-element 90° tee rosette. Sections are electrically independent. See also 125TQ and 125UT patterns.					
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix			
				inch	
				millimeter	
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125 ES	0.215 CP	0.150 ES	0.335 CP	0.36	0.43
3.18 ES	5.46 CP	3.81 ES	8.51 CP	9.1	10.9

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±5%	-100° to +350°F (-75° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F (-269° to +290°C)
EP	Annealed constantan foil with tough, high-elongation polyimide backing.	±20%	-100° to +400°F (-75° to +205°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)

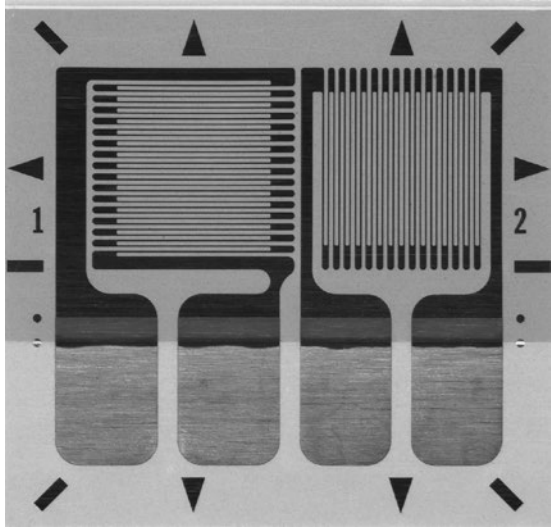
Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages – Tee Rosette

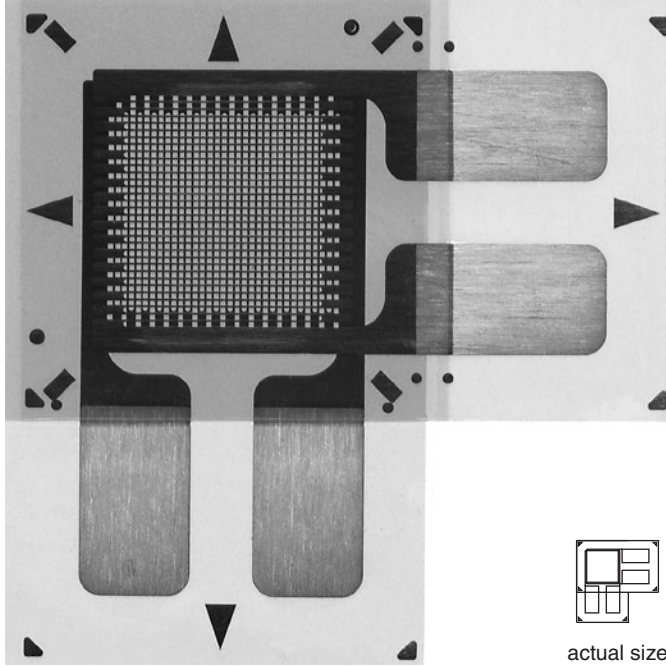


GAGE PATTERN DATA					
 <p>actual size</p>			GAGE DESIGNATION See Note 1	RESISTANCE (OHMS)	OPTIONS AVAILABLE See Note 1
			CEA-XX-125UT-120 CEA-XX-125UT-350	120 ± 0.4% 350 ± 0.4%	P2 P2
DESCRIPTION Two-element 90° tee rosette for general-purpose use. Exposed solder tab area 0.10 x 0.07 in (2.5 x 1.8 mm).					
GAGE DIMENSIONS		Legend			<input type="checkbox"/> inch <input type="checkbox"/> millimeter
		ES = Each Section	CP = Complete Pattern		
		S = Section (S1 = Section 1)	M = Matrix		
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125 ES	0.325 CP	0.165 ES	0.365 CP	0.42	0.45
3.18 ES	8.26 CP	4.19 ES	9.27 CP	10.7	11.4

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
CEA	Universal general-purpose strain gages.	±5%	-100° to +350°F (-75° to +175°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Products with designations and options shown in bold are not RoHS compliant.

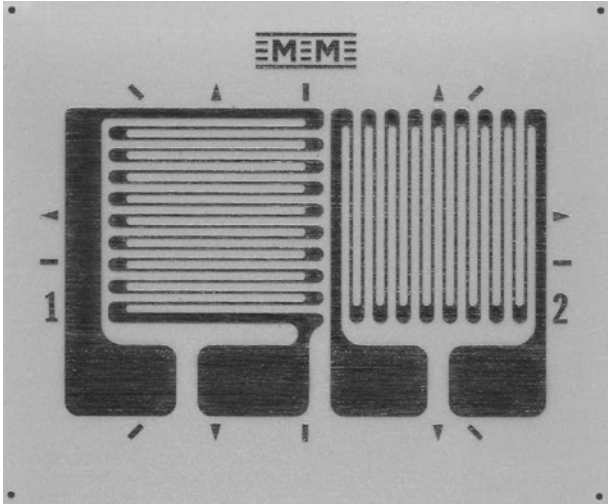
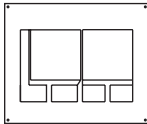
General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA					
  actual size			GAGE DESIGNATION	RESISTANCE (OHMS)	OPTIONS AVAILABLE
			See Note 1		
			CEA-XX-125WT-120 CEA-XX-125WT-350	120 ± 0.5% 350 ± 0.5%	
			DESCRIPTION	 Two-element 90° tee stacked rosette. Exposed solder tab area 0.10 x 0.07 in [2.5 x 1.8 mm]. Maximum operating temperature +150°F [+65°C]. RoHS COMPLIANT	
GAGE DIMENSIONS		Legend			<input type="checkbox"/> inch <input type="checkbox"/> millimeter
		ES = Each Section	CP = Complete Pattern		
		S = Section (S1 = Section 1)	M = Matrix		
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125 ES	0.325 CP	0.180 ES	0.325 CP	0.42	0.42
3.18 ES	8.2 CP	4.57 ES	8.26 CP	10.7	10.7

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
CEA	Universal general-purpose strain gages.	±3%	-100° to +150°F (-75° to +65°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

General Purpose Strain Gages – Tee Rosette

GAGE PATTERN DATA							
		GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3			
		EA-XX-125TM-120 WA-XX-125TM-120 WK-XX-125TM-350 EP-08-125TM-120 SA-XX-125TM-120 SK-XX-125TM-350	120 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.2% 120 ± 0.4% 350 ± 0.4%	W, E, L, LE W* W*			
 actual size		DESCRIPTION General-purpose two-element 90° tee rosette. Sections are electrically independent. See also 250UT pattern.					
GAGE DIMENSIONS		Legend ES = Each Section S = Section (S1 = Section 1)			<table border="1"> <tr><td>inch</td></tr> <tr><td>millimeter</td></tr> </table>	inch	millimeter
inch							
millimeter							
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.250 ES	0.430 CP	0.300 ES	0.670 CP	0.53	0.75		
6.35 ES	10.92 CP	7.62 ES	17.02 CP	13.5	19.1		

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±5%	-100° to +350°F (-75° to +175°C)
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F (-75° to +205°)
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F (-269° to +290°C)
EP	Annealed constantan foil with tough, high-elongation polyimide backing.	±20%	-100° to +400°F (-75° to +205°C)
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F (-75° to +205°C)
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F (-269° to +230°C)

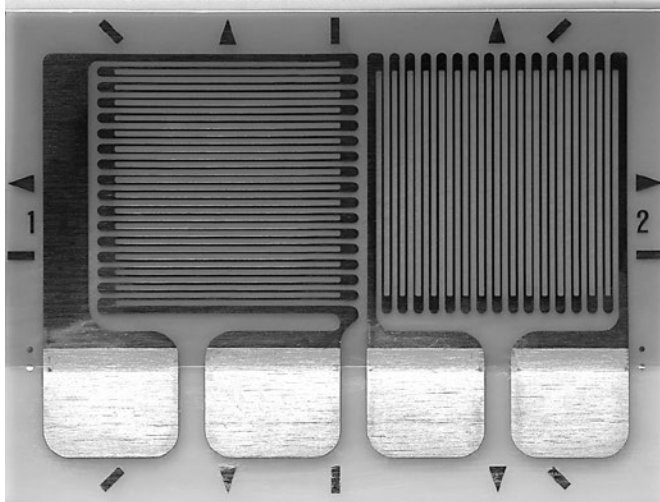
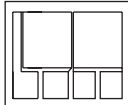
Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

*Options available but not normally recommended. See Optional Features datasheet for details.

General Purpose Strain Gages – Tee Rosette

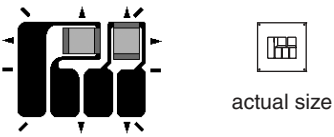
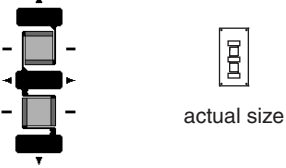
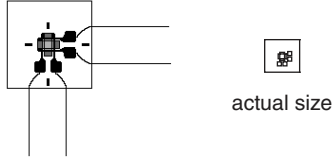
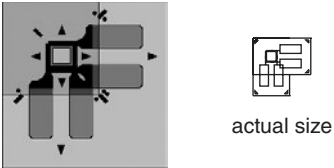
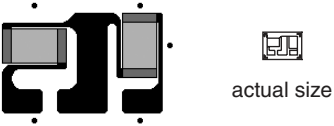
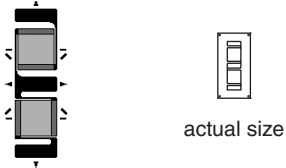
GAGE PATTERN DATA							
			GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3		
			CEA-XX-250UT-120 CEA-XX-250UT-350 CEA-XX-250UT-10C	120 ± 0.4% 350 ± 0.4% 1000 ± 0.4%	P2 P2 P2		
 actual size			DESCRIPTION Two-element 90° tee rosette for general-purpose use. Exposed solder tab area 0.13 x 0.10 in (3.3 x 2.5 mm).				
GAGE DIMENSIONS		Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix					
				<table border="1"> <tr><td>inch</td></tr> <tr><td>millimeter</td></tr> </table>	inch	millimeter	
inch							
millimeter							
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width		
0.250 ES	0.450 CP	0.290 ES	0.650 CP	0.55	0.74		
6.35 ES	11.43 CP	7.37 ES	16.51 CP	14.0	18.8		

GAGE SERIES DATA — See Gage Series datasheet for complete specifications			
Series	Description	Strain Range	Temperature Range
CEA	Universal general-purpose strain gages.	±5%	-100° to +350°F (-75° to +175°C)

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Products with designations and options shown in bold are not RoHS compliant.

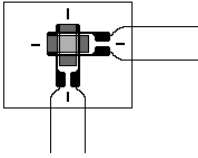

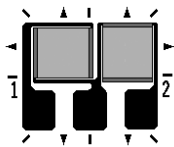

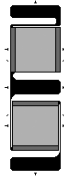

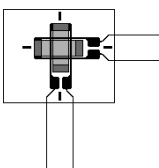

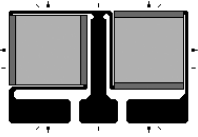

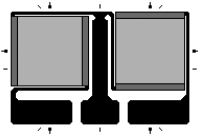

General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (OHMS)	GAGE LENGTH	
			inches	millimeters
030TU  actual size	EA, EP, SA, SK	120, 350	0.03	0.76
	Miniature 90° tee rosette. Sections are electrically independent. Matrix size: 0.25L x 0.25W in. (6.4L x 6.4W mm)			
030TY  actual size	EA, EP, SA, SK	120, 350	0.03	0.76
	Miniature 90° tee rosette with large solder tabs. Matrix size: 0.30L x 0.15W in. (7.6L x 3.8W mm)			
030WT  actual size	WA, WK, SA, SK	120	0.03	0.76
	Miniature two-element 90° tee stacked rosette. See also 032WT pattern. Matrix size: 0.17L x 0.19W in. (4.3L x 4.8W mm)			
032WT  actual size	CEA	120	0.032	0.81
	Miniature two-element 90° stacked rosette. Exposed solder tab area is 0.07 x 0.04 in (1.8 x 1.0 mm). Maximum operating temperature +150°F (+65°C). Matrix size: 0.30L x 0.30W in. (7.6L x 7.6W mm)			
044TP  actual size	EA, SA	350	0.044	1.12
	Miniature high-resistance 90° tee rosette. Matrix size: 0.14L x 0.20W in. (3.6L x 5.1W mm)			
050TG  actual size	EA, WA, EP, SA	350	0.05	1.27
	Miniature high-resistance 90° tee rosette. Sections have a common solder tab. Matrix size: 0.34L x 0.17W in. (8.6L x 4.3W mm)			

Note 1: Products with designations and options shown in **bold** are not RoHS compliant.

See <http://www.micro-measurements.com/stress-analysis-strain-gages/other-tee-rosettes/> for complete specifications.

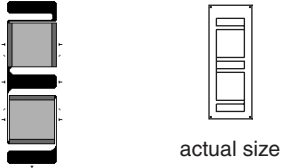
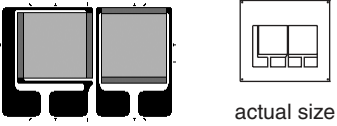
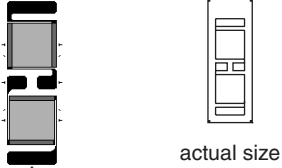
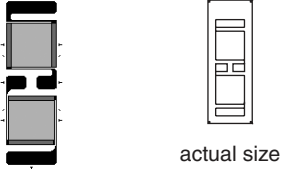
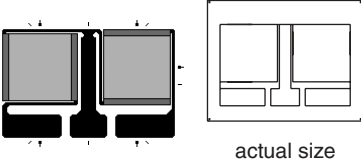
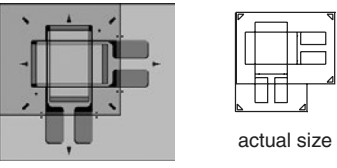
General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (OHMS)	GAGE LENGTH	
			inches	millimeters
060WT   actual size	WA, WK, SA, SK	120, 350, 1000	0.06	1.52
Small two-element 90° tee stacked rosette. Matrix size: 0.24L x 0.30W in. (6.1L x 7.6W mm)				
062TZ   actual size	EA, WA, WK, SA, SK	120, 350	0.062	1.57
General-purpose 90° tee rosette. Matrix size: 0.28L x 0.26W in. (7.1L x 6.6W mm)				
100TG   actual size	EA, WA, SA	350, 1000	0.1	2.54
Small high-resistance 90° tee rosette for general-purpose use. Matrix size: 0.50L x 0.19W in. (12.7L x 4.8W mm)				
120WT   actual size	WA, WD, WK, SA, SK, SD	120, 350	0.12	3.05
Two-element 90° tee stacked rosette. Matrix size: 0.34L x 0.40W in. (8.6L x 10.2W mm)				
125TA   actual size	EA, WA, WK, SA, SK	120, 350	0.125	3.18
General-purpose two-element 90° tee rosette. Sections have a common electrical connection. See also 125TB pattern. Matrix size: 0.36L x 0.41W in. (9.1L x 10.4W mm)				
125TB   actual size	EA, EK, WA, WK, SA, SK	350, 1000	0.125	3.18
General-purpose two-element 90° tee rosette. Same geometry as 125TA but with higher resistance. Sections have common electrical connection. EK-Series gages are supplied with duplex copper dots (DD) when optional feature W or SE is not specified. Matrix size: 0.36L x 0.44W in. (9.1L x 11.2W mm)				

Note 1: Products with designations and options shown in **bold** are not RoHS compliant.

See <http://www.micro-measurements.com/stress-analysis-strain-gages/other-tee-rosettes/> for complete specifications.

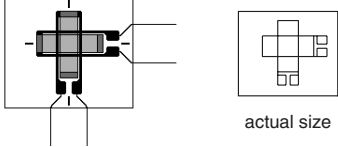
General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (OHMS)	GAGE LENGTH	
			inches	millimeters
125TF  <p>actual size</p>	EA, SA , SK	120, 350	0.125	3.18
General-purpose two-element 90° tee rosette with narrow pattern geometry. Sections have a common electrical connection. Matrix size: 0.59L x 0.21W in. (15.0L x 5.3W mm)				
125TQ  <p>actual size</p>	EA, ED, WA , WK, EP, SA , SK	350, 1000	0.125	3.18
General-purpose two-element 90° tee rosette. EK-Series gages are supplied with duplex copper dots (DD) when optional feature W or SE is not specified. Matrix size: 0.42L x 0.47W in. (10.7L x 11.9W mm)				
125VA  <p>actual size</p>	EA, EP, SA , SK	350, 1000	0.125	3.18
General-purpose two-element 90° tee rosette with high-resistance grid. See also 125VB pattern. Matrix size: 0.64L x 0.23W in. (16.3L x 5.8W mm)				
125VB  <p>actual size</p>	EA, EP, SA , SK	120, 350	0.125	3.18
General-purpose two-element 90° tee rosette. Similar to 125TF pattern except sections are electrically independent. See also 125VA pattern. Matrix size: 0.64L x 0.23W in. (16.3L x 5.8W mm)				
250TB  <p>actual size</p>	EA, EK, WA , WK, SA , SK	350, 1000	0.25	6.35
General-purpose two-element 90° tee rosette. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. Matrix size: 0.63L x 0.81W in. (16.0L x 20.6W mm)				
250WQ  <p>actual size</p>	CEA	350	0.25	6.35
Two-element 90° tee stacked rosette. Maximum operating temperature +150°F (+65°C). Exposed solder tab area is 0.11 x 0.07 in (2.8 x 1.8 mm). Matrix size: 0.55L x 0.55W in. (14.0L x 14.0W mm)				

Note 1: Products with designations and options shown in **bold** are not RoHS compliant.

See <http://www.micro-measurements.com/stress-analysis-strain-gages/other-tee-rosettes/> for complete specifications.

General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (OHMS)	GAGE LENGTH	
			inches	millimeters
250WT 	WA, WD, WK, SA, SK, SD	120, 350	0.25	6.35
Two-element 90° tee stacked rosette. Matrix size: 0.51L x 0.60W in. (13.0L x 15.2W mm)				

Note 1: Products with designations and options shown in **bold** are not RoHS compliant.

See <http://www.micro-measurements.com/stress-analysis-strain-gages/other-tee-rosettes/> for complete specifications.