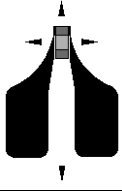


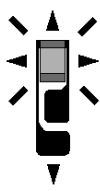


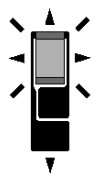


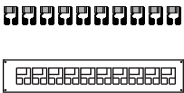
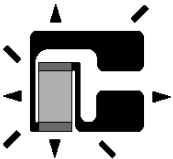
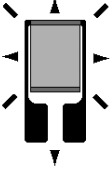
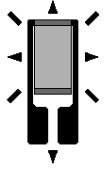
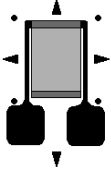
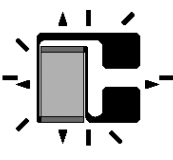
## General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>008CL</b>  actual size	<b>SA</b>	120	0.008	0.2
	Micro-grid gage for strain measurement in high-gradient areas. Matrix size: 0.20L x 0.13W in. (5.1L x 3.3W mm)			
<b>015CK</b>  actual size	<b>EA, WA, EP, SA</b>	120	0.015	0.38
	Micro-miniature pattern with enlarged solder tabs. See also 015UW pattern. Matrix size: 0.19L x 0.15W in. (4.8L x 3.8W mm)			
<b>015EH</b>  actual size	<b>EA, EP, SA, SK</b>	120	0.015	0.38
	Micro-miniature pattern with tab at each side of grid. Matrix size: 0.15L x 0.19W in. (3.8L x 4.8W mm)			
<b>015LA</b>  actual size	<b>EA, EP</b>	120	0.015	0.38
	Primarily used in small radii where gage tabs must be at one end. Matrix size: 0.18L x 0.10W in. (4.6L x 2.5W mm)			
<b>015LW</b>  actual size	<b>C2A</b>	120	0.015	0.38
	Encapsulated constantan gages with preattached ready-to-use cables. Matrix size: 0.08L x 0.05W in. (1.9L x 1.4W mm)			
<b>015SE</b>  actual size	<b>EA, EP, SA</b>	120	0.015	0.38
	Micro-miniature pattern with tabs on one side for use near abutments. Matrix size: 0.16L x 0.14W in. (4.1L x 3.6W mm)			
<b>030LB</b>  actual size	<b>EA, EP, SA</b>	120	0.03	0.76
	Miniature gage pattern for small radii where gage tabs must be at one end. Matrix size: 0.24L x 0.15W in. (6.1L x 3.8W mm)			

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See [www.vishay.com/strain-gages](http://www.vishay.com/strain-gages) for complete specifications.

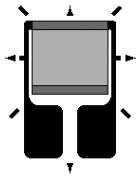

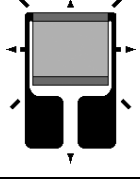

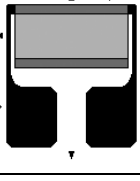





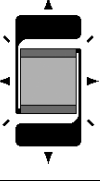

## General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>031MF</b>  actual size	EA, SA	120	0.031	0.79
Miniature ten-element strip gage with electrically independent grids. All grids parallel to long axis of pattern. Grid centerline spacing 0.080 in (2.03 mm). Matrix size: 0.94L x 0.19W in. (23.9L x 4.8W mm)				
<b>032SG</b>  actual size	EA, WA, WK, EP, SA, SK	120	0.032	0.81
Miniature gage with side-tab geometry. Matrix size: 0.16L x 0.19W in. (4.1L x 4.8W mm)				
<b>045AL</b>  actual size	EA, SA	350	0.045	1.14
Miniature high-resistance gage. Matrix size: 0.22L x 0.14W in. (5.6L x 3.6W mm)				
<b>050AH</b>  actual size	EA, ED, EP, SA, SK, SD	120, 350	0.05	1.27
General-purpose miniature gage. Matrix size: 0.23L x 0.14W in. (5.8L x 3.6W mm)				
<b>050AR</b>  actual size	EA, ED, WA, WK, SA, SK, SD, WD	120, 350	0.05	1.27
General-purpose miniature gage with large solder tabs. Matrix size: 0.25L x 0.18W in. (6.4L x 4.6W mm)				
<b>050SB</b>  actual size	EA, ED, WA, WK, EP, SA, SK, SD, WD	120, 350	0.05	1.27
Similar to the 050AH pattern but with solder tabs at side of grid. Matrix size: 0.19L x 0.19W in. (4.8L x 4.8W mm)				

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See [www.vishay.com/strain-gages](http://www.vishay.com/strain-gages) for complete specifications.

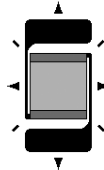

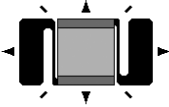



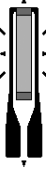

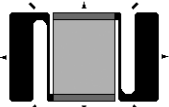

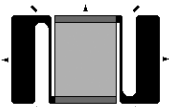

General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>060CD</b>   actual size	EA, ED, <b>WA</b> , WK, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	350, 1000	0.06	1.52
	Small high-resistance gage. See also 060CN pattern. Matrix size: 0.28L x 0.20W in. (7.1L x 5.1W mm)			
<b>060CN</b>   actual size	EA, ED, <b>WA</b> , WK, EP, <b>SA</b> , <b>SD</b> , WD	120, 350	0.06	1.52
	Similar to 060CD pattern except for grid resistance. Matrix size: 0.26L x 0.18W in. (6.6L x 4.6W mm)			
<b>060CP</b>   actual size	EA, ED, <b>WA</b> , WK, EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	120, 350	0.06	1.52
	Small high-resistance gage with high power-handling capability. Matrix size: 0.31L x 0.26W in. (7.9L x 6.6W mm)			
<b>062DF</b>   actual size	EA, ED, <b>WA</b> , WK, EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	120, 350	0.062	1.57
	General-purpose gage with solder tab at each end of grid. See also 062DN pattern. Matrix size: 0.32L x 0.16W in. (8.1L x 4.1W mm)			
<b>070LC</b>   actual size	EA	120, 350	0.07	1.78
	Very narrow gage for use in restricted areas. Matrix size: 0.24L x 0.09W in. (6.1L x 2.3W mm)			
<b>090DG</b>   actual size	EA, ED, EP, <b>SA</b> , <b>SK</b> , <b>SD</b>	120, 350	0.09	2.29
	Intermediate-size grid with tab at each end. See also 090DH and 090EF patterns. Matrix size: 0.44L x 0.263W in. (11.2L x 6.6W mm)			

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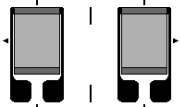
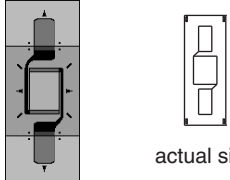
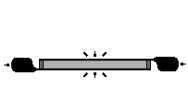
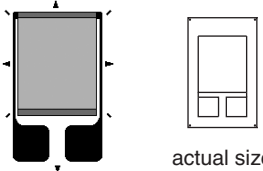
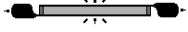
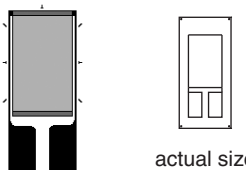
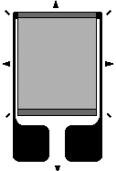
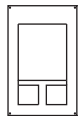
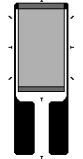
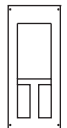

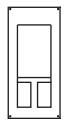
## General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>090DH</b>   <p>actual size</p>	EA, ED, EP, <b>SA, SK, SD</b>	350, 1000	0.09	2.29
	High-resistance version of the 090DG pattern. Matrix size: 0.45L x 0.27W in. (11.4L x 6.9W mm)			
<b>090EF</b>   <p>actual size</p>	EA, ED, EP, <b>SA, SK, SD</b>	120, 350	0.09	2.29
	Similar to 090DG pattern but with solder tab at each side of grid. See also 090EG pattern. Matrix size: 0.29L x 0.36W in. (7.4L x 9.1W mm)			
<b>090EG</b>   <p>actual size</p>	EA, ED, EP, <b>SA, SK, SD</b>	350, 1000	0.09	2.29
	High-resistance version of the 090EF pattern. Matrix size: 0.29L x 0.36W in. (7.4L x 9.1W mm)			
<b>125BS</b>   <p>actual size</p>	ED, WK, <b>SK, SD, WD</b>	120	0.125	3.18
	Narrow pattern primarily used in the WK and SK Series for 120-ohm resistance. Matrix size: 0.38L x 0.14W in. (9.7L x 3.6W mm)			
<b>125EP</b>   <p>actual size</p>	EA, ED, EP, <b>SA, SK, SD</b>	350, 1000	0.125	3.18
	High-resistance gage with tab at each side of grid. See also 125EQ pattern. Matrix size: 0.28L x 0.35W in. (7.1L x 8.9W mm)			
<b>125EQ</b>   <p>actual size</p>	EA, ED, EP, <b>SA, SK, SD</b>	120, 350	0.125	3.18
	Similar to 125EP pattern except for grid resistance. Matrix size: 0.28L x 0.35W in. (7.1L x 8.9W mm)			

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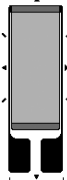
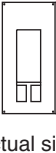
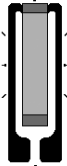
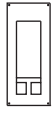
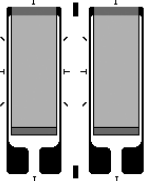
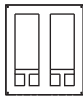


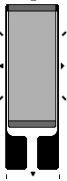

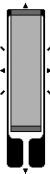

General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>125MG</b>   actual size	EA, <b>WA</b> , <b>WK</b> , <b>SA</b> , <b>SK</b>	120, 350	0.125	3.18
Dual-pattern gage for use in back-to-back bending applications. Longitudinal grid centerlines spaced 0.250 in (6.35 mm) apart. Matrix size: 0.32L x 0.47W in. (8.1L x 11.9W mm)				
<b>125UE</b>   actual size	CEA	120, 350	0.125	3.18
General-purpose gage with large tab at each end of grid. Exposed solder tab area 0.08 x 0.07 in (2.0 x 1.8 mm). Matrix size: 0.57L x 0.20W in. (14.5L x 5.1W mm)				
<b>230DS</b>   actual size	EA, ED, <b>WA</b> , <b>WK</b> , EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	120, 350	0.23	5.84
General-purpose gage with very narrow geometry. Matrix size: 0.50L x 0.12W in. (12.7L x 3.0W mm)				
<b>250AF</b>   actual size	EA, ED, <b>WA</b> , <b>WK</b> , EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	120, 350	0.25	6.35
General-purpose gage with high-dissipation grid. Matrix size: 0.57L x 0.36W in. (14.5L x 9.1W mm)				
<b>250BB</b>   actual size	EA, ED, EP	120, 350	0.25	6.35
General-purpose gage with large solder tabs. Matrix size: 0.64L x 0.21W in. (16.3L x 6.9W mm)				
<b>250BK</b>   actual size	EA, <b>WA</b> , <b>WK</b> , <b>SA</b> , <b>SK</b>	1000, 3000	0.25	6.35
High-resistance gage with good power dissipation capability for high output applications or use on plastics. Matrix size: 0.58L x 0.27W in. (14.7L x 6.9W mm)				

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## General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>250BM</b>   <p>actual size</p>	<b>EA, ED, WA, WK, EP, SA, SK, SD, WD</b>	500, 1500	0.25	6.35
General-purpose gage with high-resistance grid. Matrix size: 0.58L x 0.27W in. (14.7L x 6.9W mm)				
<b>250BP</b>   <p>actual size</p>	<b>SK, WK, ED, SD, WD</b>	120	0.25	3.18
A general-purpose gage used primarily to obtain 120-ohm grid resistance in SK and WK Series. Matrix size: 0.53L x 0.22W in. (13.5L x 5.6W mm)				
<b>250MQ</b>   <p>actual size</p>	<b>EA, ED, EK, WA, WK, SA, SK, SD, WD</b>	350, 1000	0.25	6.35
Dual pattern for back-to-back bending applications. Longitudinal grid centerlines are spaced 0.185 in (4.70 mm) apart. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified. Matrix size: 0.47L x 0.40W in. (11.9L x 10.2W mm)				
<b>350DD</b>   <p>actual size</p>	<b>EA, ED, WA, WK, EP, SA, SK, SD, WD</b>	350, 1000	0.35	8.89
General-purpose gage with narrow pattern geometry and tab at each end of grid. Matrix size: 0.61L x 0.18W in. (15.5L x 4.6W mm)				
<b>375BG</b>   <p>actual size</p>	<b>EA, ED, WA, WK, EP, SA, SK, SD, WD</b>	120, 350	0.375	9.53
General-purpose gage. Matrix size: 0.71L x 0.29W in. (18.0L x 7.4W mm)				
<b>500BL</b>   <p>actual size</p>	<b>EA, ED, WA, WK, EP, SA, SK, SD, WD</b>	350, 1000	0.5	12.7
Widely used general-purpose gage with compact geometry. Matrix size: 0.87L x 0.27W in. (22.1L x 6.9W mm)				

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General Purpose Strain Gages

GAGE PATTERN	GAGE SERIES See Note 1	GAGE RESISTANCE (ohms)	GAGE LENGTH	
			inches	millimeters
<b>500GB</b>   actual size	EA, ED, <b>WA</b> , WK, EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	120, 350	0.5	12.7
	General-purpose gage with very narrow geometry. See also 500GC pattern. Matrix size: 0.75L x 0.15W in. (19.1L x 3.8W mm)			
<b>500GC</b>   actual size	EA, ED, <b>WA</b> , WK, EP, <b>SA</b> , <b>SK</b> , <b>SD</b> , WD	350, 1000	0.5	12.7
	General-purpose gage with very narrow geometry. Matrix size: 0.78L x 0.15W in. (19.8L x 3.8W mm)			
<b>40CBY</b>   30% of actual size	N2A, EA, <b>WA</b> , WK, EP, <b>SA</b> , <b>SK</b>	120, 350	4	101.6
	For use on concrete and for strain integration on large specimens. Matrix size: 4.49L x 0.33W in. (114.0L x 8.4W mm)			

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

See [www.vishay.com/strain-gages](http://www.vishay.com/strain-gages) for complete specifications.

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