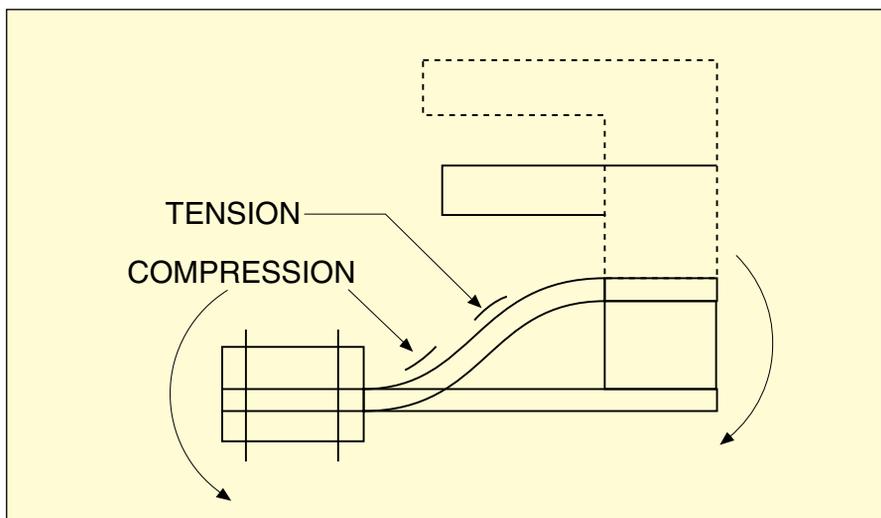


# KARMA STRAIN GAGES

## DUAL LINEAR PATTERN IN HALF BRIDGE DESIGN WITH A COMMON LEAD/TAB

- ✓ K-Series, Transducer-Quality
- ✓ Stock Delivery with Solder Pads
- ✓ Temperature Characteristics Matched to Steel or Aluminum
- ✓ Custom Gages Available
- ✓ Dual Linear Half-Bridge for Doublebend Application



OMEGA® offers K-Series strain gages in dual linear patterns in a half-bridge design with a common tab. These strain gages might be used for transducer design for beams that have a contraflexure point. Defined as a point in a structure where bending occurs in opposite directions. A transducer may also be described as a reversed bending beam. The grids are linear, both in the

same direction, and are typically used for bending strain applications.

### Three Styles are Available:

**Standard:** SGK-LH1A-K350T-\*\*\*\*, with grid centerline to centerline spacing of 5.52 mm (0.217")

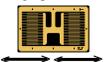
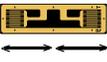
### Compact:

Wide grid, SGK-LH1B-K350T-\*\*\*\*, with grid centerline to centerline spacing of 5.50 mm (0.216")

**Large:** SGK-LH1C-K350T-\*\*\*\*, with grid centerline to centerline spacing of 10.50 mm (0.413")

\*\*\*\* PC11 or PC23

## To Order

GAGE PATTERN Shown actual size Leads not shown	MODEL NO. Pkg of 5	NOM. RESISTANCE (Ω)	DIMENSIONS mm (inch) <sup>†</sup>				MAX V* (Vrms)	TERMINATION	TEMP COMP
			GRID		CARRIER				
			A	B	C	D			
<b>9.2 mm</b> 	SGK-LH1A-K350T-PC11-E	350	1.5 (0.059)	2.5 (0.098)	9.2 (0.36)	4.0 (0.16)	6.5	Solder Pads	ST
	SGK-LH1A-K350T-PC23-E	350	Linear pattern, dual grid, half bridge common lead/tab pattern 350 Ω				9	Solder Pads	AL
<b>9.3 mm</b> 	SGK-LH1B-K350T-PC11-E	350	1.5 (0.059)	4.5 (0.177)	9.3 (0.37)	6.0 (0.24)	8.5	Solder Pads	ST
	SGK-LH1B-K350T-PC23-E	350	Compact linear pattern, dual grid, half bridge, common lead/tab pattern 350 Ω				12.5	Solder Pads	AL
<b>14.4 mm</b> 	SGK-LH1C-K350T-PC11-E	350	1.5 (0.059)	2.5 (0.098)	14.4 (0.57)	4.0 (0.16)	6.5	Solder Pads	ST
	SGK-LH1C-K350T-PC23-E	350	Large linear, dual grid pattern, half bridge, common lead/tab pattern 350 Ω				9	Solder Pads	AL

### DISCOUNT SCHEDULE

1 to 10 pkgs. ....	Net
11 to 24 pkgs. ....	.5%
25 to 49 pkgs. ....	10%
50 and up and OEM . .	Consult Factory

<sup>†</sup> For dimensions key, visit us online. \* Maximum permitted bridge energizing voltage (Vrms).

**Note:** For strain gage accessories visit us online.

**Ordering Example:** SGK-LH1A-K350T-PC11-E, package of 5, dual linear half-bridge, with solder pads, nominal resistance 350 Ω.

**NOTE**  
ST = Steel  
AL = Aluminum