

# PRECISION STRAIN GAGE

## PRECISION LINEAR PATTERN AND EXTRA LONG PATTERN



### To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 10	NOM. RESIS- TANCE (Ω)	DIMENSIONS mm (inch) <sup>†</sup>				MAX V* (Vrms)	TERMINATION	TEMP COMP	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
<b>Shown actual size 17.7 mm</b> 	SGD-10/350-LY11	350	10.00 (0.394) 4.90 (0.193) 17.70 (0.697) 8.00 (0.315) Linear pattern, large size 350 Ω	22	Ribbon Leads	ST	BPT-5			
	SGD-10/350-LY13	350			32	Ribbon Leads		AL		
	SGD-10/350-LY41	350			22	Solder Pads		ST		
	SGD-10/350-LY43	350			32	Solder Pads		AL		
<b>Shown actual size 17.7 mm</b> 	SGD-10/1000-LY11	1000	10.00 (0.394) 4.90 (0.193) 17.70 (0.697) 8.00 (0.315) Linear pattern, large size, higher resistance, reduced heat generation 1000 Ω	40	Ribbon Leads	ST	BPT-5			
	SGD-10/1000-LY13	1000			55	Ribbon Leads		AL		
	SGD-10/1000-LY41	1000			40	Solder Pads		ST		
	SGD-10/1000-LY43	1000			55	Solder Pads		AL		
<b>Shown actual size 22.7 mm</b> 	SGD-13/350-LY11	350	13.00 (0.511) 7.20 (0.283) 22.70 (0.893) 10.00 (0.393) Linear pattern, grid length long 350 Ω	30	Ribbon Leads	ST	BPT-6			
	SGD-13/350-LY13	350			40	Ribbon Leads		AL		
	SGD-13/350-LY41	350			30	Solder Pads		ST		
	SGD-13/350-LY43	350			40	Solder Pads		AL		
<b>Shown actual size 22.7 mm</b> 	SGD-13/1000-LY11	1000	13.00 (0.511) 7.20 (0.283) 22.70 (0.893) 10.00 (0.393) Linear pattern, grid length long, higher resistance, reduced heat generation 1000 Ω	55	Ribbon Leads	ST	BPT-6			
	SGD-13/1000-LY13	1000			75	Ribbon Leads		AL		
	SGD-13/1000-LY41	1000			55	Solder Pads		ST		
	SGD-13/1000-LY43	1000			75	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:** SGD-13/350-LY13, 13 mm grid, 350 Ω nominal-resistance strain gage.

**NOTE**

ST = Steel  
AL = Aluminum

### Extra-Long For Inhomogeneous Material

### To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 5	NOM. RESIS- TANCE (Ω)	DIMENSIONS mm (inch) <sup>†</sup>				MAX V* (Vrms)	TERMINATION	TEMP COMP	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
<b>Shown smaller than actual size 50 mm</b> 	SGD-30/120-LY40	120	25.00 (0.984)	8.00 (0.315)	40.00 (1.575)	12.00 (0.472)	12	Solder Pads	UNC	BPT-6
	SGD-30N/120-LY40	120	30.00 (1.181)	3.00 (0.118)	36.00 (1.417)	5.00 (0.197)	10	Solder Pads	UNC	
	SGD-30/350-LY40	350	30.00 (1.181)	3.00 (0.118)	36.00 (1.417)	5.00 (0.197)	14	Solder Pads	UNC	
	SGD-50/120-LY40	120	50.00 (1.969)	4.30 (0.169)	60.00 (2.362)	9.00 (0.354)	12	Solder Pads	UNC	
	SGD-150/240-LY40	240	150.00 (5.906)	5.00 (0.197)	165.00 (6.496)	9.00 (0.354)	35	Solder Pads	UNC	

<sup>†</sup> For dimensions key, visit us online.

\* Maximum permitted bridge energizing voltage (Vrms).

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

**Ordering Example:** SGD-30/120-LY40, 120 Ω nominal-resistance strain gage.

**NOTE**

UNC = Uncompensated