

PRECISION STRAIN GAGE

ROSETTE STRAIN GAGES 0/45/90° AND 0/60/120°

RECTANGULAR AND DELTA, 3 ELEMENT

Custom-Designed Strain Gages Available!
No Minimum Quantities. Consult Engineering.

OMEGA® offers planar and stacked rosettes. Planar rosettes have all 3 strain gage elements in one plane. Stacked rosettes have the 3 strain gage elements stacked one on top of the other. Consider the difference when you make your strain gage selection. Planar rosettes have some advantages over

stacked rosettes. Planar rosettes tend to be thinner and more flexible. They can be used on curved surfaces and conform better to the irregular surfaces. Reinforcement effects of planar gages are minimized. Planar rosettes have superior heat dissipation capability, and better stability. Stacked rosettes are

thicker and stiffer because you have the multiple layers stacked on top of one another. They do not disperse heat as well when voltage is applied to them.



To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 5	NOM. RESIS-TANCE (Ω)	DIMENSIONS mm (inch)†				MAX V* (Vrms)	TERMINATION	TEMP COMP	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
0/45/90° RECTANGULAR 3 ELEMENT										
	SGD-3/120-RY11	120	3.00 (0.118)	2.90 (0.114)	16.00 (0.630)	16.00 (0.630)	5.5	Ribbon Leads	ST	BPT-3
	SGD-3/120-RY13	120	Three-element 45° rectangular planar rosette 120 Ω				8	Ribbon Leads	AL	
	SGD-3/120-RY31	120					5.5	Solder Pads	ST	
	SGD-3/120-RY33	120					8	Solder Pads	AL	
	SGD-3/350-RY11	350					3.00 (0.118)	2.90 (0.114)	16.00 (0.630)	16.00 (0.630)
	SGD-3/350-RY13	350	Three-element 45° rectangular planar rosette 350 Ω				13	Ribbon Leads	AL	
	SGD-3/350-RY31	350					9.5	Solder Pads	ST	
	SGD-3/350-RY33	350					13	Solder Pads	AL	

To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 5	NOM. RESIS-TANCE (Ω)	DIMENSIONS mm (inch)†				MAX V* (Vrms)	TERMINATION	TEMP COMP	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
0/60/120° DELTA 3-ELEMENT										
	SGD-3/120-RY41	120	3.00 (0.118)	2.90 (0.114)	16.00 (0.630)	16.00 (0.630)	5.5	Ribbon Leads	ST	BPT-3
	SGD-3/120-RY43	120	Three-element 60° delta planar rosette 120 Ω				8	Ribbon Leads	AL	
	SGD-3/120-RY71	120					5.5	Solder Pads	ST	
	SGD-3/120-RY73	120					8	Solder Pads	AL	
	SGD-3/350-RY41	350					3.00 (0.118)	2.90 (0.114)	16.00 (0.630)	16.00 (0.630)
	SGD-3/350-RY43	350	Three-element 60° delta planar rosette 350 Ω				13	Ribbon Leads	AL	
	SGD-3/350-RY71	350					9.5	Solder Pads	ST	
	SGD-3/350-RY73	350					13	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

† For dimensions key, visit us online.
* Maximum permitted bridge energizing voltage (Vrms).
Note: For strain gage accessories visit us online.
Ordering Example: SGD-3/350-RY33, 350 Ω nominal-resistance strain gage.

NOTE
ST = Steel
AL = Aluminum

STRAIN GAGES