





TRANSDUCER QUALITY STRAIN GAGE

BIAXIAL 90° X-Y "TEE" ROSETTE CAN BE USED TO MEASURE STRAIN IN THE X AND Y DIRECTIONS

OMEGA offers 0/90° TEE planar rosette patterns, with 2 separate strain gages on one carrier. The gage grids are perpendicular, and are electrically independent. These can

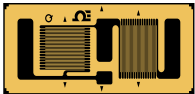
be used in transducer design for axial strain applications or can be wired separately to measure strain in the X and Y directions.

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			
			GRID		CARRIER							
			A	B	C	D						
 Shown actual size 4.9 mm	SGT-2/350-XY11	350	1.6 1.8 4.9 5.8 (0.063) (0.071) (0.193) (0.228) Small TEE rosette, leads/pads, electrically independent 350 Ω	5.5	Ribbon Leads	ST						
	SGT-2/350-XY13	350					7.5	Ribbon Leads	AL			
	SGT-2/350-XY41	350								5.5	Solder Pads	ST
	SGT-2/350-XY41	350										
 Shown actual size 6.9 mm	SGT-3/350-XY11	350	3.2 3.6 6.9 9.9 (0.126) (0.142) (0.272) (0.039) Medium TEE rosette 350 Ω	11	Ribbon Leads	ST						
	SGT-3/350-XY13	350					16	Ribbon Leads	AL			
	SGT-3/350-XY41	350								11	Solder Pads	ST
	SGT-3/350-XY43	350										
 Shown actual size 7 mm	SGT-3/1000-XY11	1000	3.2 3.6 7.0 9.6 (0.126) (0.138) (0.276) (0.378) Medium TEE rosette, higher resistance, reduced heat generation 1000 Ω	18	Ribbon Leads	ST						
	SGT-3/1000-XY13	1000					25	Ribbon Leads	AL			
	SGT-3/1000-XY41	1000								18	Solder Pads	ST
	SGT-3/1000-XY43	1000										
 Shown actual size 8.6 mm	SGT-4/350-XY11	350	4.0 4.6 8.6 12.3 (0.157) (0.181) (0.339) (0.484) Large TEE rosette, leads/pads electrically independent 350 Ω	14	Ribbon Leads	ST						
	SGT-4/350-XY13	350					20	Ribbon Leads	AL			
	SGT-4/350-XY41	350								14	Solder Pads	ST
	SGT-4/350-XY43	350										

OMEGA offers 0/90° TEE planar rosette patterns, in a half-bridge with a common lead/solder pad. These would typically be used in transducer design for axial strain applications. Each carrier piece has 2 strain gages, with perpendicular grids. SGT-3H/350-XY** actually has 4 leads/solder pads.

Notice that one of the strain gages has 2 leads/solder pads on one side of the grid. If the factory has installed leads, all 4 leads are installed, and one lead will be cut away, as it will not be needed. This design is offered to give variety of options for wire routing.

 Shown larger than actual size, 12 mm Leads not shown	SGT-3H/350-XY11	350	2.5 2.5 12.0 4.8 (0.098) (0.098) (0.472) (0.189) Small 90° TEE rosette, with repositioned lead/tab 350 Ω	9	Ribbon Leads	ST						
	SGT-3H/350-XY13	350					12	Ribbon Leads	AL			
	SGT-3H/350-XY41	350								9	Solder Pads	ST
	SGT-3H/350-XY43	350										

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).

** XY11, XY13, XY41 or XY43.

Note: For strain gage accessories, visit us online.

Ordering Example: SGT-3/350-XY11, 350 Ω nominal resistance, medium TEE rosette strain gage.

NOTE
 ST = Steel
 AL = Aluminum

TRANSDUCER QUALITY STRAIN GAGE




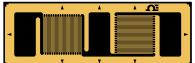


0/90° TEE ROSETTES

OMEGA® offers 0/90° TEE planar rosette patterns, in a half-bridge with a common lead/Solder Pads.

These would typically be used in transducer design for axial strain applications. Each carrier

piece has 2 strain gages, with perpendicular grids, and 3 leads/Solder Pads.

To Order

GAGE PATTERN Leads not shown	MODEL NO. Pkg of 5	NOM. RESISTANCE (Ω)	DIMENSIONS mm (inch)†				MAX V* (Vrms)	TERMINATION	TEMP COMP
			GRID		CARRIER				
			A	B	C	D			
Shown actual size, 8.3 mm 	SGT-1/175-XY11	175	1.1 1.7 8.3 3.0 (0.043) (0.067) (0.327) (0.118) Miniature 90° TEE rosette, often used on small column transducers 175 Ω	3	Ribbon Leads	ST			
	SGT-1/175-XY13	175			Ribbon Leads	AL			
	SGT-1/175-XY41	175			Solder Pads	ST			
	SGT-1/175-XY43	175			Solder Pads	AL			
Shown actual size, 8.8 mm 	SGT-1/350-XY11	350	1.5 2.0 8.8 3.4 (0.059) (0.079) (0.346) (0.134) Miniature 90° TEE rosette, often used on small column transducers 350 Ω	5.5	Ribbon Leads	ST			
	SGT-1/350-XY13	350			Ribbon Leads	AL			
	SGT-1/350-XY41	350			Solder Pads	ST			
	SGT-1/350-XY43	350			Solder Pads	AL			
Shown actual size, 5.8 mm 	SGT-2H/350-XY11	350	2.0 2.8 5.8 7.4 (0.079) (0.11) (0.228) (0.291) Small, general purpose 90° TEE rosette 350 Ω	7.5	Ribbon Leads	ST			
	SGT-2H/350-XY13	350			Ribbon Leads	AL			
	SGT-2H/350-XY41	350			Solder Pads	ST			
	SGT-2H/350-XY43	350			Solder Pads	AL			
Shown smaller than actual size, 13 mm 	SGT-3BH/350-XY11	350	2.5 3.1 13 4.5 (0.098) (0.122) (0.512) (0.177) 90° TEE rosette, often used on column transducers 350 Ω	9	Ribbon Leads	ST			
	SGT-3BH/350-XY13	350			Ribbon Leads	AL			
	SGT-3BH/350-XY41	350			Solder Pads	ST			
	SGT-3BH/350-XY43	350			Solder Pads	AL			
Shown actual size, 7.2 mm 	SGT-3H/1000-XY11	1000	3.2 3.5 7.2 10.0 (0.126) (0.138) (0.283) (0.394) Medium 90° TEE rosette, higher resistance, reduced heat generation 1000 Ω	18	Ribbon Leads	ST			
	SGT-3H/1000-XY13	1000			Ribbon Leads	AL			
	SGT-3H/1000-XY41	1000			Solder Pads	ST			
	SGT-3H/1000-XY43	1000			Solder Pads	AL			
Shown actual size, 5.7 mm 	SGT-3L/350-XY11	350	2.6 1.8 5.7 5.2 (0.102) (0.071) (0.224) (0.205) Small 90° TEE rosette, half-bridge with a common lead/tab 350 Ω	7	Ribbon Leads	ST			
	SGT-3L/350-XY13	350			Ribbon Leads	AL			
	SGT-3L/350-XY41	350			Solder Pads	ST			
	SGT-3L/350-XY43	350			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: SGT-3BH/350-XY41, 350 Ω transducer quality TEE planar rosette strain gage.

NOTE
ST = Steel
AL = Aluminum