



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.**

OMEGADYNE® 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.

MOST POPULAR MODELS HIGHLIGHTED!



| To Order (Specify Model Number) | | | | | | | | | | | |
|---|----------------|--------------------|---------------------|--|------|---------|-------|---------------|--------------|-----------|----------|
| | MODEL NO. | PRICE PER PKG OF 5 | NOM. RESISTANCE (Ω) | DIMENSIONS mm (in) [†] | | | | MAX V* (Vrms) | TERMINATION | TEMP COMP | TERM PAD |
| | | | | GRID | | CARRIER | | | | | |
| | | | | A | B | C | D | | | | |
| 0/45/90° RECTANGULAR 3 ELEMENT | | | | | | | | | | | |
| Shown actual size, 16 mm Leads not shown | SGD-3/120-RY11 | \$115 | 120 | 3.00 | 2.90 | 16.00 | 16.00 | 5.5 | Ribbon Leads | ST | BTP-3 |
| | SGD-3/120-RY13 | 139 | 120 | Three-element 45° rectangular planar rosette | | | | 8 | Ribbon Leads | AL | |
| | SGD-3/120-RY31 | 129 | 120 | 120 Ω | | | | 5.5 | Solder Pads | ST | |
| | SGD-3/120-RY33 | 129 | 120 | | | | | 8 | Solder Pads | AL | |
| Shown actual size, 16 mm Leads not shown | SGD-3/350-RY11 | \$139 | 350 | 3.00 | 2.90 | 16.00 | 16.00 | 9.5 | Ribbon Leads | ST | BTP-3 |
| | SGD-3/350-RY13 | 139 | 350 | Three-element 45° rectangular planar rosette | | | | 13 | Ribbon Leads | AL | |
| | SGD-3/350-RY31 | 139 | 350 | 350 Ω | | | | 9.5 | Solder Pads | ST | |
| | SGD-3/350-RY33 | 129 | 350 | | | | | 13 | Solder Pads | AL | |



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|---|-----------------|--------------------|---------------------|--|------|---------|-------|---------------|--------------|-----------|----------|
| | MODEL NO. | PRICE PER PKG OF 5 | NOM. RESISTANCE (Ω) | DIMENSIONS mm (in) [†] | | | | MAX V* (Vrms) | TERMINATION | TEMP COMP | TERM PAD |
| | | | | GRID | | CARRIER | | | | | |
| | | | | A | B | C | D | | | | |
| 0/60/120° DELTA 3-ELEMENT | | | | | | | | | | | |
| Shown actual size, 16 mm Leads not shown | †SGD-3/120-RY41 | \$115 | 120 | 3.00 | 2.90 | 16.00 | 16.00 | 5.5 | Ribbon Leads | ST | BTP-3 |
| | SGD-3/120-RY43 | 115 | 120 | Three-element 60° delta planar rosette | | | | 8 | Ribbon Leads | AL | |
| | †SGD-3/120-RY71 | 109 | 120 | 120 Ω | | | | 5.5 | Ribbon Leads | ST | |
| | †SGD-3/120-RY73 | 109 | 120 | | | | | 8 | Ribbon Leads | AL | |
| Shown actual size, 16 mm Leads not shown | †SGD-3/350-RY41 | \$139 | 350 | 3.00 | 2.90 | 16.00 | 16.00 | 9.5 | Ribbon Leads | ST | BTP-3 |
| | †SGD-3/350-RY43 | 139 | 350 | Three-element 60° delta planar rosette | | | | 13 | Ribbon Leads | AL | |
| | †SGD-3/350-RY71 | 129 | 350 | 350 Ω | | | | 9.5 | Solder Pads | ST | |
| | †SGD-3/350-RY73 | 129 | 350 | | | | | 13 | Solder Pads | AL | |

See Equations on Page 10

| 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, see page 23.
 * Maximum permitted bridge energizing voltage (Vrms).
Note: For strain gage accessories see pages 59 to 61.
Ordering Example: SGD-3/350-RY33,
 350 Ω nominal-resistance strain gage, \$129.

NOTE
 ST = Steel
 AL = Aluminum

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