

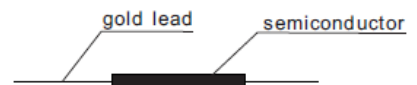
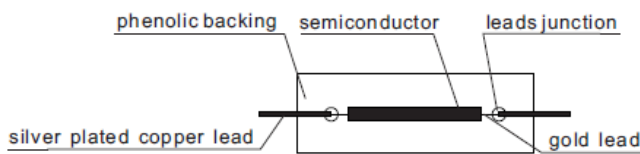
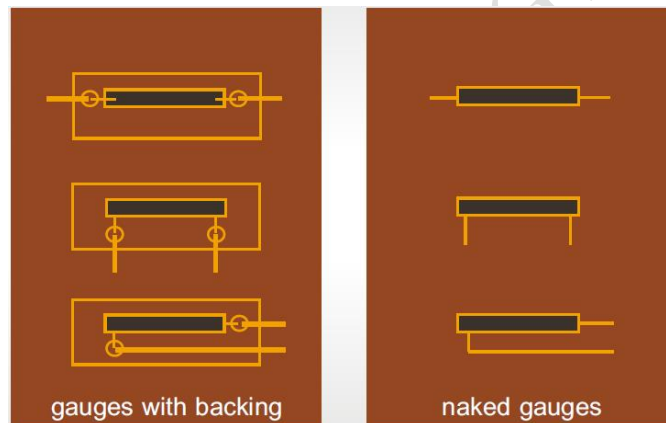
Feature:

TP series semiconductor strain gauge is produced by the international production and process technology. Its performance is better than similar domestic products, with sensitivity coefficient, mechanical hysteresis, wide resistance range, lateral effect of small properties.

Application:

It is widely used as sense element for transducer manufacturing and engineering stress analysis, Semiconductor strain gauges are not only used for surveying stress distribution, or static measurement for machinery, ships, bridges, aviation, but also used for non-linearity compensation of force transducers.

Non-backing semiconductor strain gauges is available for choose.



Gauge Pattern	Backing L X W (mm)	Crystal size(mm)	Gauge Resistance Ω	Gauge Factor	TCR*(1/°C)	TCGF**(1/°C)	Working Temp.(°C)	working current.(mA)	Strain Limit($\mu\epsilon$)	
TP-5	-15	6×4, 8×4	5×0.32×0.05	15	80±5%	<0.06%	<0.10%	<80	20	6000
	-30	6×4, 8×4	5×0.32×0.05	30	80±5%	<0.06%	<0.10%	<80	20	6000
	-60	6×4, 8×4	5×0.32×0.05	60	100±5%	<0.08%	<0.12%	<80	15	6000
	-120	6×4, 8×4	5×0.30×0.05	120	110±5%	<0.15%	<0.15%	<80	15	6000
	-350	6×4, 8×4	5×0.28×0.04	350	130±5%	<0.35%	<0.28%	<80	10	6000
	-1000	6×4, 8×4	5×0.24×0.04	1000	150±5%	<0.40%	<0.30%	<80	5	6000
TP-3.8	-15	5×3	3.8×0.24×0.05	15	80±5%	<0.06%	<0.10%	<80	20	6000
	-30	5×3	3.8×0.24×0.05	30	80±5%	<0.06%	<0.10%	<80	20	6000
	-60	5×3	3.8×0.24×0.05	60	100±5%	<0.08%	<0.12%	<80	15	6000
	-120	5×3	3.8×0.24×0.04	120	100±5%	<0.15%	<0.15%	<80	15	6000
	-350	5×3	3.8×0.22×0.05	350	130±5%	<0.35%	<0.28%	<80	10	6000
	-1000	5×3	3.8×0.22×0.05	1000	150±5%	<0.40%	<0.30%	<80	5	6000
TP-3	-350	5×3	3×0.20×0.04	350	130±5%	<0.35%	<0.28%	<80	10	6000
	-1000	5×3	3×0.20×0.04	1000	150±5%	<0.40%	<0.30%	<80	5	6000
TP-2.6	-1000	5×3	2.6×0.20×0.04	1000	150±5%	<0.40%	<0.30%	<80	5	6000

Note:

*TCR= temperature coefficient of resistance@32°C

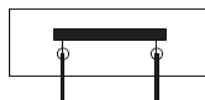
**TCGF temperature coefficient of resistance@32°C

Three types of lead wire (the default is “a” type wire lead)



a

(Leads extending crystal, along two sides)



b

(Leads perpendicular to crystal, in one side)



c

(Leads parallel to crystal, ending in one side)

※Ordering code: Gauge pattern-backing/ no backing - gauge resistance -lead wire