



Semiconductor Pressure Sensor / SM Series

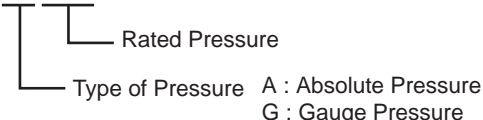
FEATURES

The SM series are high precision and high durability metal can package type (TO-5 CAN equivalent package).

- These units correspond to regular equipment, measurement equipment, home electronic equipment, medical equipment and others.

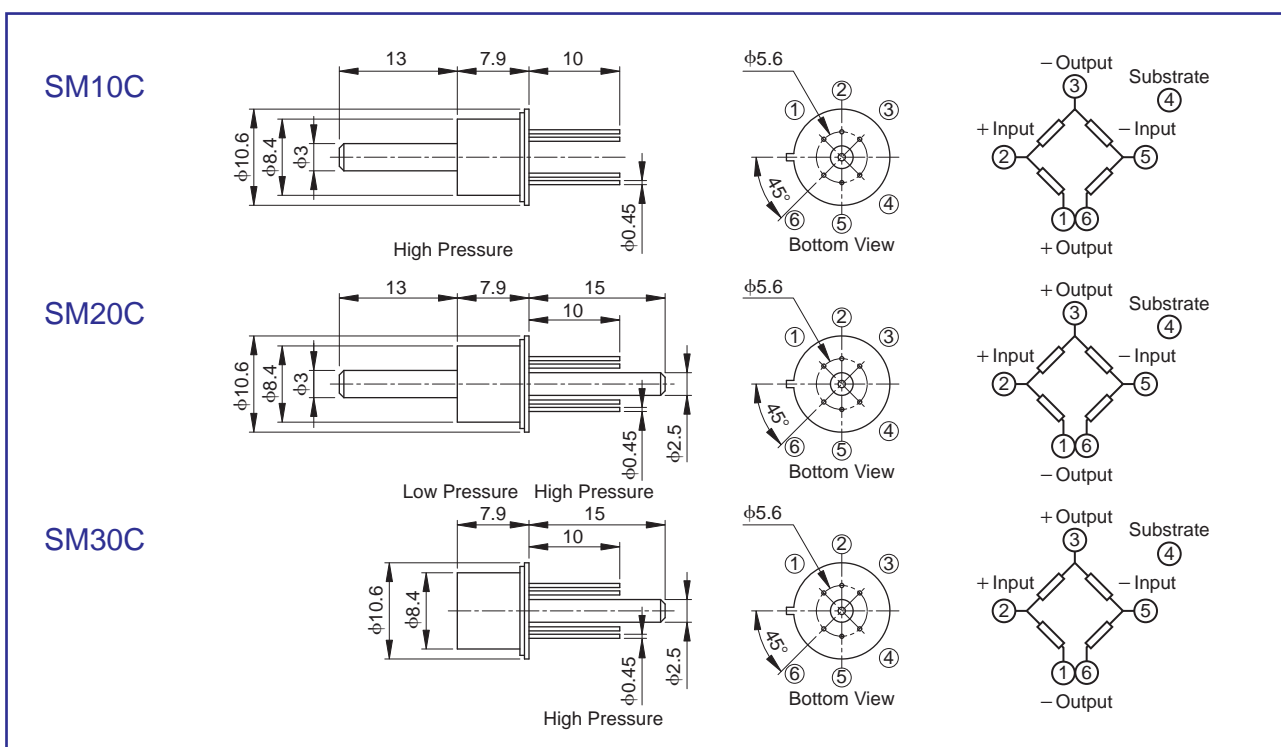
MODEL

SM20C – G 102



EXTERNAL DIMENSIONS AND TERMINAL ARRANGEMENT

Unit : mm



SPECIFICATIONS

| Model No. | SM10C SM20C SM30C – A (G) | | | | | | |
|--|---------------------------|------|------|--------|-------------|-------------|--------------|
| | 101 | 201 | 501 | 102 | 202 | 502 | 103 |
| Rated Pressure [kPa] | ± 10 | ± 20 | ± 50 | ± 100 | - 100 ~ 200 | - 100 ~ 500 | - 100 ~ 1000 |
| Pressure Type | Absolute, Gauge | | | | | | |
| Temperature Range [°C] | - 20 ~ 100 | | | | | | |
| Pressure Medium | Non-Corrosive Gases | | | | | | |
| Excitation Current [mA] | 1.5 | | | 1.0 | | | |
| Maximum Overload Pressure | Rated Pressure X 3 | | | | | | |
| Output Span Voltage [mV] | 60 ~ 140 | | | | | | |
| Bridge Resistance [k Ω] | 5 ± 1 | | | | | | |
| Offset Voltage [mV] | 0 ± 25 | | | 0 ± 20 | | | |
| Offset Voltage Temperature Characteristics *1 [%FS/°C] | ± 0.5 | | | ± 0.1 | | | |
| Span Voltage Temperature Characteristics *1 [%FS/°C] | ± 0.2 | | | ± 0.05 | | | |
| Linearity [%FS] | ± 1.5 | | | ± 0.3 | | | |

NOTE *1 The temperature range is 0 to 60°C. If there is no specification, the temperature range is 25 ± 5°C. These specifications are examples. Please contact us for other specifications.

⚠ Specifications of products are subject to change without notice.

e-sm-p01-10



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