



PRESSURE SENSOR CHIP SD SERIES

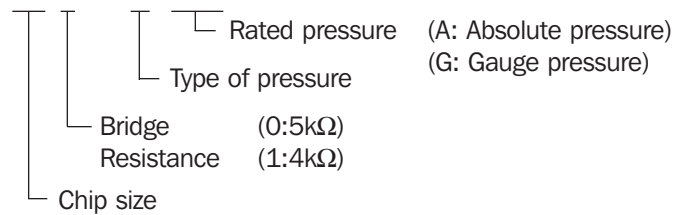
FEATURES

Corresponds to customization from design to mass production.

- Small chip size (1mm to 3mm)
- Two model types are available (absolute pressure and gauge pressure)
- Wide pressure specification (0.1 to 500 kgf/cm²)
- Low price, high accuracy, high reliability, high breaking pressure resistance

MODEL

SD 200C - A 103

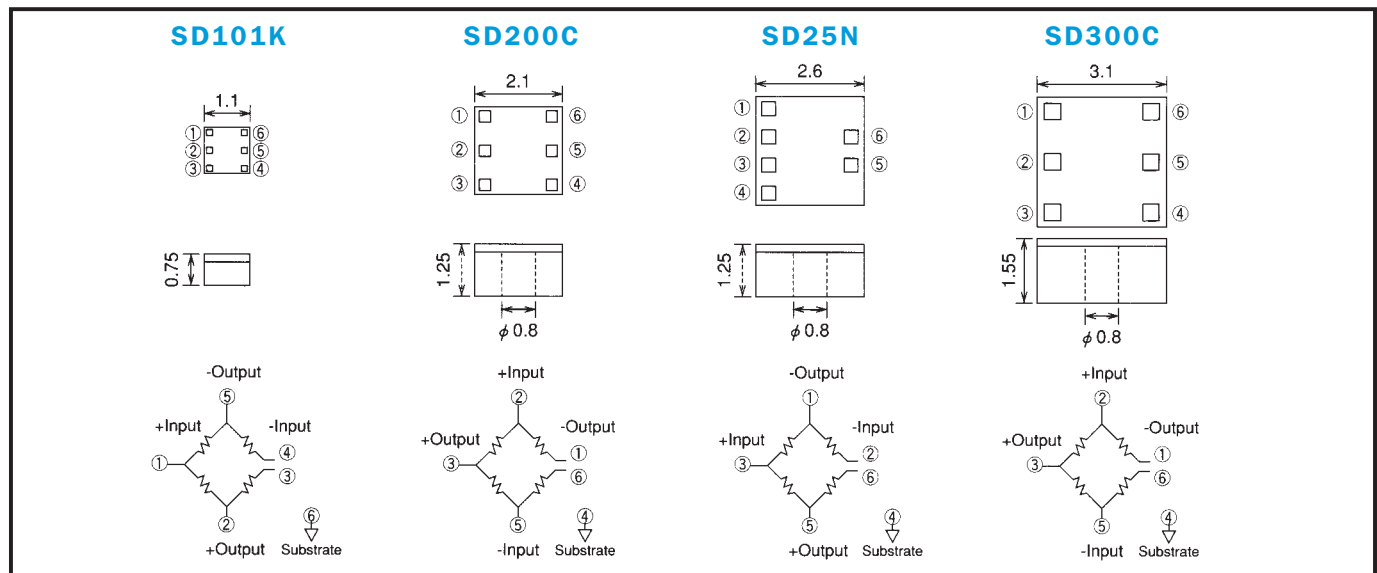


Model No.	SD101K-A		SD200C-A(G)					SD25N-A(G)						SD300C-G			
	103	353	102	202	502	103	153	103	303	503	104	204	354	504	101	201	501
Rated pressure kgf/cm ²	10	35	1	2	5	10	15	10	30	50	100	200	350	500	0.1	0.2	0.5
Pressure type	Absolute pressure		Absolute pressure (gauge pressure)												Gauge pressure		
Maximum overload pressure kgf/cm ²	Rated pressure x 3																
Excitation current mA	1.0		1.0					1.0						1.5	1.0		
Bridge resistance KΩ	4±1		5±1					4.5±1						5±1			
Temperature range °C	-20~100		-20~100					-20~100						-20~100			
Offset voltage mV	0±25		0±25					0±25						0±30	0±25		
Output span Voltage mV	60~140		60~140					50~80						60~140			
Linearity %FS	±0.3		±0.3					±0.3				±0.5		±1.0	±0.3		
Offset voltage temperature characteristics *1 %FS/°C	±0.1		±0.1					±0.1						±0.2	±0.1		
Span voltage temperature characteristics *1 %FS/°C	±0.05		±0.05					±0.05						±0.1	±0.05		
Chip size mm	1.1 ±0.1		2.1 ±0.1					2.6 ±0.1						3.1 ±0.1			
Chip height mm	0.75 ±0.2		1.25 ±0.2					1.25 ±0.2						1.55 ±0.2			
Stand hole diameter (gauge pressure) mm			0.8 ±0.1					0.8 ±0.1						0.8 ±0.1			

NOTE *1 The temperature range is 0°C 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.

EXTERNAL FIGURE AND TERMINAL ARRANGEMENT

Unit: mm



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