



PRESSURE SENSOR CHIP SD SERIES

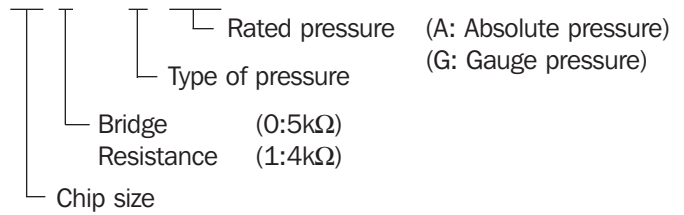
FEATURES

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

SD200C-A103



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

