

Product Ordering Guide



Sample Part Number

1 S C 0100 3 1 5 N

(Selected from areas below in white on black below)

1					S	C	0100					3				1			5				N											
Pressure & Resistance					Operating Temp	Bridge	Sensitivity & Output					Constraint				Shipping (die)			Cover (package)				Gel (package)											
#	Series	PSI	Bar	KPa	Res (Ω)	#	Temp. (°C)	#	Type	PSI	Bar	KPa	Sens*	Out**	#	Series	Type	Thickness	Hole	#	Type	#	Type	Height	Width/OD	Hole/ID	#	Type						
1	AP301	100-1K	7 - 69	689.5-6895	5K	S	-40 to 150	O	Open	5	0.34	34.5	3000	75	1	3000	Gage	.020" (.51mm)	.025" (.64mm)	T	Sawn wafer on tape in metal frame	1	Round Ceramic*	.125" (3.2mm)	.33" (8.4mm)	.020" (.51mm)	1	Clear*						
2	AP301	100-1K	7 - 69	689.5-6895	3.5K	P	BP (350 Ω)	H	1/2 Open	15	1	103	2000	150	2	3000	Gage	.035" (.89mm)	.048" (1.2mm)	W	Singulated die in wafer pack	5	Square Ceramic**	.090" (2.3mm)	.25" (6.4mm)	.09" (2.3mm)	2	Black (BP)*						
3	3000	5-100	.34 - 7	34.5-689.5	5K	1	HM (5K Ω)	C	Closed / BP	15	1	103	1250	90	3	AP 301	Gage	.035" (.89mm)	.025" (.64mm)	N	Wafer not sawn on tape in metal frame	6	Chimney ceramic***	.125" (3.2mm)	.25" (6.4mm)	.189" (4.8mm)	3	Fluorogel*						
4	3000	5-100	.34 - 7	34.5-689.5	3.5K	2	HM (3.5K Ω)			30	2.1	207	1000	150	4	AP 301	Gage	.035" (.89mm)	.048" (1.2mm)	M	Backside metal (HM Series)	7	Chimney ceramic***	.25" (6.4mm)	.25" (6.4mm)	.189" (4.8mm)	N	No gel**						
5	5000	1K-10K	69-689	13790-68948	5K					BP	BP	BP	0750	BP	5	All	Abs	.020" (.51mm)				Substrate (package)												
6	5000	1K-10K	69-689	13790-68948	3.5K					50	3.4	345	0500	125	6	All	Abs	.035" (.89mm)				#	Type	LxWxH (")	LxWxH (mm)									
7	7000	15-500	1 - 34.5	103-3447	5K					100	6.9	689	0300	150	7	AP301	Gage	.020" (.51mm)	.025" (.64mm)	1	Ceramic SMD (gage)*	.30x.30x.025	7.6x7.6x.64											
8	7000	15-500	1 - 34.5	103-3447	3.5K					300	20.7	2068	0100	150	8	3000	Gage	.020" (.51mm)	.048" (1.2mm)	2	Ceramic SMD (abs)*	.30x.30x.025	7.6x7.6x.64											
B	BP*	-.58 to 5.8	40-400mbar	4-40	See Op Temp					500	34.5	3447	0070	175	9	7000	Gage	.020" (.51mm)	.032" (.81mm)	3	Ceramic (gage)**	.49x.58x.040	12.4x14.7x1											
T	HM	15-500	1 - 34.5	103-3447	See Op Temp					750	51.7	5171	0050	188	N	None*				4	Ceramic (BP)	.32x.42x.025	8.1x10.5x.64											
										1K	68.9	6895	0030	125	A1	HM	Abs	.020" (.51mm)		6	Ceramic SMD (abs)*	.25x.25x.025	6.4x6.4x.64											
										3K	207	20684	0012	180		HM	Gage	.020" (.51mm)	.032" (.81mm)															
										5K	345	34474	0008	200																				
										7K	483	48263	0006	210																				
										10K	689	68948	0004	200																				

*.30 to 300 mmHg; also available in higher pressures

*microvolts/volt/psi (μV/V/psi)
 **millivolts (mV) @ 5 volts
 #7000 series at 15 psi

*BP, 3000 and AP301 series only

***Considerations**
 Half open (half closed) and closed bridges only
 5-300 psi: no restrictions except cannot accept fluorogel for 5 - 100 psi
 500-1,000 psi: gage must be top side pressure only and no gel
 2,000-10,000 psi: absolute only and no gel
****Considerations**
 5 to 1,000 psi only; gage only; compensated for span & offset only

*no gel; ceramic substrate only
 **no gel
 ***ceramic SMD substrates only

*silicone
 ** all covers

Instructions

- Pressure & Resistance** Specify pressure range and resistance value - other ranges and values available upon request.
- Operating Temperature** Specify "S" - the operating temperature range of our sensors is from -40°c to 150°c.
- Bridge** Specify bridge type: Open (6 contacts), Half Open (5 contacts) or Closed (4 contacts).
- Sensitivity & Output** Specify sensitivity at FSO (full-scale output) in microvolts/volt/psi (μV/V/psi) - other sensitivities available upon request.
- Constraint** Specify constraint type, thickness and hole size - other constraints (glass sizes) available upon request.
- Shipping or Substrate** Specify shipping preference or substrate type - other substrates available upon request. (Substrates for packages only.)
- Cover** Specify die cover type, height, diameter/width and hole size - other covers available upon request. (For packages only.)
- Gel** Specify gel type - other gels available upon request. (For packages only.)