

Fig.	Supply (VDC)	Acceleration Range (g) Typ.	Sensitivity (mV/g/V)	Rolloff Frequency (Hz)	Sensing Axis	Zero g Output (V <sub>DD</sub> = 5V)*	Package	Operating Temp. (°C)	Digi-Key Part No.	Price Each			
										1	25	100	
3	4.75 - 5.25	45	10	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3201D-ND	11.14	8.43	7.77	
	4.75 - 5.25	40 (X) 40 (Y)	50 / 50	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3201EG-ND	8.36	7.67	7.00	
	4.75 - 5.25	100 (X) / 50 (Y)	20 / 40	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3202EG-ND	8.36	7.67	7.00	
	4.75 - 5.25	100 (X) / 50 (Y)	20 / 40	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3202EGR2CT-ND	8.36	7.64	6.99	
	4.75 - 5.25	100 (X) / 50 (Y)	20 / 40	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3202EGR2TR-ND	6283.09/1,000			
	4.75 - 5.25	50 (X) / 20 (Y)	50 / 50	400	X-Y	2.5V	20-SOIC	-40 - 125	MMA3221EG-ND	8.36	7.67	7.00	
4	2.7 - 3.6	1.5	800	900	X-Y	1.65V	16-QFN	-20 - 85	MMA6263Q-ND	4.62	3.82	3.49	
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350	X-Y	1.65V	16-QFN	-20 - 85	MMA6270Q-ND	8.09	5.78	5.26	
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350	X-Y	1.65V	16-QFN	-20 - 85	MMA6270QR2TR-ND	3291.68/1,000			
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350	X-Y	1.65V	16-QFN	-20 - 85	MMA6270QT-ND	5.56	3.98	3.62	
	2.2 - 3.6	2.5 / 3.3 / 6.7 / 10	480 / 360 / 180 / 120	350	X-Y	1.65V	16-QFN	-40 - 105	MMA6271QT-ND	5.53	3.96	3.60	
	2.2 - 3.6	2.5 / 3.3 / 6.7 / 10	480 / 360 / 180 / 120	350	X-Y	1.65V	16-QFN	-40 - 105	MMA6271QR2CT-ND	5.53	3.96	3.60	
	2.2 - 3.6	2.5 / 3.3 / 6.7 / 10	480 / 360 / 180 / 120	350	X-Y	1.65V	16-QFN	-40 - 105	MMA6271QR2TR-ND	3273.53/1,000			
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350(X) / 150(Z)	X-Z	1.65V	16-QFN	-20 - 85	MMA6280Q-ND	6.48	4.88	4.40	
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350(X) / 150(Z)	X-Z	1.65V	16-QFN	-40 - 105	MMA6280QT-ND	5.60	4.00	3.64	
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350(X) / 150(Z)	X-Z	1.65V	16-QFN	-20 - 85	MMA6280QR2TR-ND	3309.83/1,000			
	2.2 - 3.6	3.3	2.5 (X) 2.5 (Z)	480/480	150	X-Z	1.6V	16-QFN	-40 - 105	MMA6281QT-ND	5.60	4.00	3.64
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350(XY) / 150(Z)	X-Y-Z	1.65V	16-QFN	-20 - 85	MMA7260QT-ND	3.36	2.79	2.54	
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350(XY) / 150(Z)	X-Y-Z	1.65V	16-QFN	-20 - 85	MMA7260QR2TR-ND	2278.91/1,000			
	2.2 - 3.6	2.5 / 3.3 / 6.7 / 10	480 / 360 / 180 / 120	350(XY) / 150(Z)	X-Y-Z	1.65V	16-QFN	-40 - 105	MMA7261QT-ND	4.47	3.20	2.91	
	2.2 - 3.6	2.5 / 3.3 / 6.7 / 10	480 / 360 / 180 / 120	350(XY) / 150(Z)	X-Y-Z	1.65V	16-QFN	-20 - 85	MMA7261QR2TR-ND	2644.09/1,000			
	2.2 - 3.6	1.5 / 2 / 4 / 6	800 / 600 / 300 / 200	350 (XY) / 150 (Z)	X-Y-Z	1.65V	16-QFN	-40 - 105	MMA7268QT-ND	3.96	2.54	2.40	
	6	2.2 - 3.6	4 / 12	308 / 77	400(XY) / 300(Z)	X-Y-Z	1.4V	14-LGA	-20 - 85	MMA7330L-ND	3.10	2.57	2.34
		2.2 - 3.6	3 / 11	440 / 117.8	400(XY) / 300(Z)	X-Y-Z	1.65V	14-LGA	-20 - 85	MMA7340L-ND	3.10	2.57	2.34
2.2 - 3.6		1.5 / 6	800 / 200	400(XY) / 300(Z)	X-Y-Z	1.65V	14-LGA	-20 - 85	MMA7360L-ND	3.10	2.57	2.34	
2.4 - 3.6		2 / 4 / 8	600 / 300 / 200	400(XY) / 300(Z)	X-Y-Z	1.65V	14-LGA	-20 - 85	MMA7455L-ND	3.78	2.43	2.29	
<b>Accelerometer Development Kits</b>													
Accelerometer Evaluation Kit for MMA6270QE									KIT3109MMA6270QE-ND	28.73	—	—	
Accelerometer Evaluation Kit for MMA6280QE									KIT3109MMA6280QE-ND	28.73	—	—	
Accelerometer Evaluation Kit for MMA7260QE									KIT3109MMA7260QE-ND	28.73	—	—	
Accelerometer Evaluation Kit for MMA7261QE									KIT3109MMA7261QE-ND	37.95	—	—	
<b>Reference Design Kits</b>													
Triax Reference Design 3-Axis for MMA2260D ±1.5g with MMA1260D									RD1986MMA2260D-ND	64.80	52.47	50.78	
Sensing Reference Design 3-Axis for MMA7260QT									RD3112MMA7260QE-ND	53.03	—	—	
Board Reference 3-Axis Accelerometer									RD3152MMA7260Q-ND	107.34	—	—	

\* The device can measure both +/- acceleration. With no input acceleration the output is at midsupply. For positive acceleration the output will increase above V<sub>DD</sub>/2 and for negative acceleration the output will decrease below V<sub>DD</sub>/2.   
 ◆ RoHS Compliant    § Cut Tape    Δ Tape and Reel    † V<sub>DD</sub> = 3.3V    ‡ V<sub>DD</sub> = 2.8V

**Precision Temperature Compensated Pressure Sensors**

Operating Temperature Range: -40°C - 125°C



Fig.	Pressure	Pressure Type	Output	Package	Supply (VDC)	Response Time*	Compensated Temp. Range (°C)	Digi-Key Part No.	Price Each			
										1	25	100
<b>Unamplified Uncompensated Pressure Sensors</b>												
7	0 - 1.45 psi	Differential	35mV	344C-01	3.0	1.0ms	—	MPX10DP-ND	6.79	6.23	5.68	
8	0 - 1.45 psi	Differential	35mV	344-15	3.0	1.0 ms	—	MPX10D-ND	6.79	6.23	5.68	
9	0 - 1.45 psi	Gauge	35mV	344B-01	3.0	1.0ms	—	MPX10GP-ND	6.79	5.68	5.14	
19	0 - 1.45 psi	Gauge	35mV	482C-03	3.0	1.0ms	—	MPXV10GC7U-ND	7.30	6.70	6.11	
7	0 - 1.45 psi	Differential	55mV	344C-01	3.0	1.0ms	—	MPX12DP-ND	6.79	6.23	5.68	
9	0 - 1.45 psi	Gauge	55mV	344B-01	3.0	1.0ms	—	MPX12GP-ND	6.79	6.23	5.68	
7	0 - 7.25 psi	Differential	60mV	344C-01	3.0	1.0ms	—	MPX53DP-ND	6.79	6.23	5.68	
<b>Unamplified Temperature Compensated Pressure Sensors</b>												
8	0 - 1.45 psi	Differential	25mV	344-15	10.0	1.0ms	0 - 85	MPX2010D-ND	6.96	5.82	5.26	
7	0 - 1.45 psi	Differential	25mV	344C-01	10.0	1.0ms	0 - 85	MPX2010DP-ND	6.96	5.82	5.26	
9	0 - 1.45 psi	Gauge	25mV	344B-01	10.0	1.0ms	0 - 85	MPX2010GP-ND	6.96	5.82	5.26	
21	0 - 1.45 psi	Gauge	25mV	344E-01	10.0	1.0ms	0 - 85	MPX2010GS-ND	6.96	5.82	5.26	
10	0 - 1.45 psi	Differential	25mV	MPAK	10.0	1.0ms	0 - 85	MPXM2010D-ND	5.34	4.47	4.04	
11	0 - 1.45 psi	Gauge	25mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2010GS-ND	5.34	4.47	4.04	
24	0 - 1.45 psi	Gauge	25mV	1369-01	10.0	1.0ms	0 - 85	MPXV2010GP-ND	5.59	4.68	4.23	
9	0 - 7.25 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2050GP-ND	6.96	5.82	5.26	
7	0 - 7.25 psi	Differential	40mV	344C-01	10.0	1.0ms	0 - 85	MPX2053DP-ND	6.96	6.38	5.82	
9	0 - 7.25 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2053GP-ND	6.96	5.82	5.26	
10	0 - 7.25 psi	Differential	40mV	MPAK	10.0	1.0ms	0 - 85	MPXM2053D-ND	5.34	4.90	4.47	
11	0 - 7.25 psi	Gauge	40mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2053GS-ND	5.34	4.47	4.04	
24	0 - 7.25 psi	Gauge	40mV	1369-01	10.0	1.0ms	0 - 85	MPXV2053GP-ND	5.59	5.13	4.68	
8	0 - 14.5 psi	Absolute	40mV	344-15	10.0	1.0ms	0 - 85	MPX2100A-ND	6.96	5.82	5.26	
9	0 - 14.5 psi	Absolute	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2100AP-ND	6.96	6.38	5.82	
8	0 - 14.5 psi	Differential	40mV	344-01	10.0	1.0ms	0 - 85	MPX2100D-ND	6.96	5.82	5.26	
7	0 - 14.5 psi	Differential	40mV	344C-01	10.0	1.0ms	0 - 85	MPX2100DP-ND	6.96	5.82	5.26	
9	0 - 14.5 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2100GP-ND	6.96	5.82	5.26	
8	0 - 14.5 psi	Absolute	40mV	344-15	10.0	1.0ms	0 - 85	MPX2102A-ND	6.96	5.82	5.26	
9	0 - 14.5 psi	Absolute	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2102AP-ND	8.15	6.82	6.13	
23	0 - 14.5 psi	Absolute	40mV	344F-01	10.0	1.0ms	0 - 85	MPX2102ASX-ND	8.15	6.82	6.13	
7	0 - 14.5 psi	Differential	40mV	344C-01	10.0	1.0ms	0 - 85	MPX2102DP-ND	6.96	5.82	5.26	
9	0 - 14.5 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2102GP-ND	8.15	7.48	6.82	
22	0 - 14.5 psi	Gauge	40mV	344D-01	10.0	1.0ms	0 - 85	MPX2102GVP-ND	8.15	6.82	6.13	
24	0 - 14.5 psi	Gauge	40mV	1369-01	10.0	1.0ms	0 - 85	MPXV2102GP-ND	5.59	5.13	4.68	
10	0 - 14.5 psi	Absolute	40mV	MPAK	10.0	1.0ms	0 - 85	MPXM2102A-ND	5.34	4.47	4.04	
11	0 - 14.5 psi	Absolute	40mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2102AS-ND	5.34	4.90	4.47	
11	0 - 14.5 psi	Gauge	40mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2102GS-ND	5.34	4.47	4.04	
8	0 - 29 psi	Absolute	40mV	344-15	10.0	1.0ms	0 - 85	MPX2200A-ND	8.15	6.82	6.13	
9	0 - 29 psi	Absolute	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2200AP-ND	6.96	5.82	5.51	
8	0 - 29 psi	Differential	40mV	344-15	10.0	1.0ms	0 - 85	MPX2200D-ND	8.15	6.82	6.13	
7	0 - 29 psi	Differential	40mV	344C-01	10.0	1.0ms	0 - 85	MPX2200DP-ND	8.15	6.82	6.13	
24	0 - 29 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2200GP-ND	6.96	5.82	5.26	
23	0 - 29 psi	Absolute	40mV	344F-01	10.0	1.0ms	0 - 85	MPX2202ASX-ND	6.96	6.38	5.82	
7	0 - 29 psi	Differential	40mV	344C-01	10.0	1.0ms	0 - 85	MPX2202DP-ND	6.96	5.82	5.26	
9	0 - 29 psi	Gauge	40mV	344B-01	10.0	1.0ms	0 - 85	MPX2202GP-ND	6.96	6.38	5.82	
10	0 - 29 psi	Absolute	40mV	MPAK	10.0	1.0ms	0 - 85	MPXM2202A-ND	5.34	4.47	4.04	
11	0 - 29 psi	Absolute	40mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2202AS-ND	5.34	4.47	4.04	
10	0 - 29 psi	Differential	40mV	MPAK	10.0	1.0ms	0 - 85	MPXM2202D-ND	5.34	4.47	4.04	
11	0 - 29 psi	Gauge	40mV	Ported MPAK	10.0	1.0ms	0 - 85	MPXM2202GS-ND	5.34	4.47	4.04	
24	0 - 29 psi	Gauge	40mV	1369-01	10.0	1.0ms	0 - 85	MPXV2202GP-ND	5.59	5.13	4.68	

\* Response time is defined as the time for the incremental change in output to go from 10% to 90% of its final value when subjected to a specified step change in pressure. (Continued)

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Fig.	Pressure	Pressure Type	Output	Package	Supply (VDC)	Response Time*	Compensated Temp. Range (°C)	Digi-Key Part No.	Price Each		
									1	25	100
<b>Amplified Temperature Compensated Pressure Sensors</b>											
12	0 - 0.57 psi	Gauge	4.9V	482A-01	5.0	—	0 - 85	MPXV5004GC6U-ND	8.77	7.35	6.64
12	0 - 0.57 psi	Gauge	4.9V	482A-01	5.0	—	10 - 60	MPXV5004GC6T1CT-ND	8.77	6.64	—
12	0 - 0.57 psi	Gauge	4.9V	482A-01	5.0	—	10 - 60	MPXV5004GC6T1TR-ND	659.67/100	—	—
19	0 - 0.57 psi	Gauge	4.9V	482C-03	5.0	—	10 - 60	MPXV5004GCV-ND	8.77	7.35	6.64
24	0 - 0.57 psi	Gauge	4.9V	1369-01	5.0	—	10 - 60	MPXV5004GVP-ND	8.77	8.05	7.35
26	0 - 0.57 psi	Gauge	4.9V	1369-01	5.0	—	10 - 60	MPXV5004GVP-ND	8.77	7.35	6.64
19	0 - 0.87 psi	Gauge	4.6V	482C-03	5.0	—	10 - 60	MPXV4006GCV-ND	8.77	7.35	6.64
24	0 - 0.87 psi	Gauge	4.6V	1369-01	5.0	—	10 - 60	MPXV4006GVP-ND	8.77	7.35	6.64
13	0 - 1.45 psi	Differential	4.5V	867C-05	5.0	1.0ms	-40 - 125	MPX5010DP-ND	9.71	8.13	7.34
14	0 - 1.45 psi	Gauge	4.5V	867B-04	5.0	1.0ms	-40 - 125	MPX5010GP-ND	9.71	8.13	7.34
24	0 - 1.45 psi	Gauge	4.5V	1369-01	5.0	1.0ms	-40 - 125	MPXV5010GP-ND	8.77	7.35	6.64
15	0 - 7.25 psi	Differential	4.5V	867-08	5.0	1.0ms	-40 - 125	MPX5050DP-ND	9.71	8.91	8.13
13	0 - 7.25 psi	Differential	4.5V	867C-05	5.0	1.0ms	-40 - 125	MPX5050DP-ND	9.71	8.91	8.13
14	0 - 7.25 psi	Gauge	4.5V	867B-04	5.0	1.0ms	-40 - 125	MPX5050GP-ND	9.71	8.91	8.13
24	0 - 7.25 psi	Gauge	4.5V	1369-01	5.0	1.0ms	-40 - 125	MPXV5050GP-ND	8.77	8.05	7.35
15	0 - 11.6 psi	Differential	4.3V	867-08	5.1	—	-40 - 105	MPX4080D-ND	9.04	7.57	6.84
14	2.2 - 16.7 psi	Absolute	4.7V	867B-04	5.0	1.0ms	0 - 85	MPX5100AP-ND	9.71	8.91	8.13
15	0 - 14.5 psi	Differential	4.7V	867-08	5.0	1.0ms	-40 - 125	MPX5100D-ND	9.71	8.13	7.34
14	0 - 14.5 psi	Gauge	4.7V	867B-04	5.0	1.0ms	0 - 85	MPX5100GP-ND	9.71	8.13	7.34
20	2.2 - 16.7 psi	Absolute	4.7V	1351-01	5.0	1.0ms	0 - 85	MPXV5100DP-ND	10.43	8.73	8.26
12	0 - 14.5 psi	Gauge	4.7V	482A-01	5.0	1.0ms	-40 - 125	MPXV5100GC6U-ND	10.43	9.57	8.26
19	2.2 - 16.7 psi	Absolute	4.7V	482C-03	5.0	1.0ms	0 - 85	MPXV5100GC7U-ND	10.43	8.73	8.26
15	0 - 36.3 psi	Differential	4.7V	867-08	5.1	1.0ms	-40 - 125	MPX4250D-ND	9.04	8.30	7.57
13	0 - 36.3 psi	Differential	4.7V	867C-05	5.0	1.0ms	-40 - 125	MPX4250DP-ND	9.04	7.57	6.84
15	0 - 72.5 psi	Differential	4.5V	867-08	5.0	1.0ms	-40 - 125	MPX6500D-ND	9.71	8.91	8.13
15	0 - 101.5 psi	Differential	4.5V	867-08	5.0	1.0ms	-40 - 125	MPX5700D-ND	9.71	8.13	7.34
13	0 - 101.5 psi	Differential	4.5V	867C-05	5.0	1.0ms	-40 - 125	MPX5700DP-ND	9.71	8.91	8.13
14	0 - 150 psi	Gauge	4.5V	867B-04	5.0	1.0ms	-40 - 125	MPX4115AP-ND	9.71	8.91	8.13
15	0 - 150 psi	Differential	4.7V	867-08	5.0	1.0ms	-40 - 125	MPX5999D-ND	9.71	8.91	8.13
15	2.2 - 16.7 psi	Absolute	4.6V	867-08	5.1	1.0ms	-40 - 125	MPX4115A-ND	9.04	8.30	7.57
14	2.2 - 16.7 psi	Absolute	4.6V	867B-04	5.1	1.0ms	-40 - 125	MPX4115AP-ND	9.04	7.57	6.84
16	2.2 - 16.7 psi	Absolute	4.6V	482-01	5.1	1.0ms	-40 - 125	MPXA4115AC6U-ND	13.90	12.76	11.01
12	2.2 - 16.7 psi	Absolute	4.6V	482A-01	5.1	1.0ms	-40 - 125	MPXA4115AC6U-ND	13.90	12.76	11.01
15	2.2 - 16.7 psi	Absolute	4.7V	867-08	5.0	1.0ms	-40 - 125	MPX5100A-ND	9.71	8.91	8.13
24	2.2 - 16.7 psi	Absolute	4.8V	1369-01	5.0	1.0ms	-40 - 125	MPXA26115AP-ND	10.96	9.18	8.68
16	2.2 - 16.7 psi	Absolute	4.5V	482-01	5.0	1.0ms	-40 - 125	MPXA6115AC6U-ND	10.43	9.57	8.26
12	2.2 - 16.7 psi	Absolute	4.5V	482A-01	5.0	1.0ms	-40 - 125	MPXA6115AC6U-ND	10.43	9.57	8.26
16	2.2 - 16.7 psi	Absolute	4.8V	482-01	5.1	1.0ms	-40 - 125	MPXAZ4115A6U-ND	14.60	13.40	12.22
12	2.2 - 16.7 psi	Absolute	4.8V	482A-01	5.1	1.0ms	-40 - 125	MPXAZ4115A6U-ND	14.60	13.40	12.22
18	2.2 - 16.7 psi	Absolute	4.5V	1317-04	5.0	1.0ms	-40 - 125	MPXH6115A6T1CT-ND	10.89	9.81	8.72
18	2.2 - 16.7 psi	Absolute	4.5V	1317-04	5.0	1.0ms	-40 - 125	MPXH6115A6T1TR-ND	7840.80/1,000	—	—
16	2.2 - 16.7 psi	Absolute	4.6V	482-01	5.1	1.0ms	-40 - 125	MPXA4115AP-ND	13.90	12.76	11.01
18	2.2 - 16.7 psi	Absolute	4.5V	482-01	5.0	1.0ms	-40 - 125	MPXAZ6115A6U-ND	10.96	10.06	9.18
12	2.2 - 16.7 psi	Absolute	4.5V	482A-01	5.0	1.0ms	-40 - 125	MPXAZ6115A6U-ND	10.96	10.06	9.18
18	2.2 - 16.7 psi	Absolute	4.5V	1317-04	5.0	1.0ms	-40 - 125	MPXH26115A6U-ND	10.96	10.06	9.18
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-01	5.0	1.0ms	-40 - 125	MPXH26115AC6T1CT-ND	10.96	8.29	7.64
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-01	5.0	1.0ms	-40 - 125	MPXH26115AC6T1TR-ND	2471.42/300	—	—
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-03	5.0	1.0ms	-40 - 125	MPXH26115AC6U-ND	10.96	10.06	9.18
18	2.2 - 16.7 psi	Absolute	4.5V	1317-04	5.0	1.0ms	-40 - 125	MPXH6115A6U-ND	10.43	9.57	8.26
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-01	5.0	1.0ms	-40 - 125	MPXH6115AC6T1CT-ND	10.43	7.89	7.27
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-01	5.0	1.0ms	-40 - 125	MPXH6115AC6T1TR-ND	2352.24/300	—	—
25	2.2 - 16.7 psi	Absolute	4.5V	1317A-01	5.0	1.0ms	-40 - 125	MPXH6115AC6U-ND	10.43	9.57	8.26
16	2.9 - 15.2 psi	Absolute	4.9V	482-01	5.1	1.0ms	-40 - 125	MPXAZ4100A6U-ND	14.60	13.40	12.22
12	2.9 - 15.2 psi	Absolute	4.9V	482A-01	5.1	1.0ms	-40 - 125	MPXAZ4100A6U-ND	14.60	13.40	12.22
16	2.9 - 15.2 psi	Absolute	4.8V	867B-04	5.1	1.0ms	0 - 85	MPX4100AP-ND	12.04	10.08	8.40
12	2.9 - 15.2 psi	Absolute	4.8V	482-01	5.1	1.0ms	-40 - 125	MPXA4100A6U-ND	13.90	12.76	11.01
15	2.9 - 15.2 psi	Absolute	4.8V	482A-01	5.1	1.0ms	-40 - 125	MPXA4100A6U-ND	13.90	12.76	11.01
12	2.9 - 15.2 psi	Absolute	4.9V	867-08	5.0	1.0ms	-40 - 125	MPX4100A-ND	10.59	9.72	8.39
15	2.9 - 36.3 psi	Absolute	4.7V	867-08	5.1	1.0ms	-40 - 125	MPX4250A-ND	9.04	8.30	7.57
14	2.9 - 36.3 psi	Absolute	4.7V	867B-04	5.1	1.0ms	-40 - 125	MPX4250AP-ND	9.04	8.30	7.57
16	2.9 - 36.3 psi	Absolute	4.7V	482-01	5.1	1.0ms	-40 - 125	MPXA4250A6U-ND	13.90	12.76	11.01
12	2.9 - 36.3 psi	Absolute	4.7V	482A-01	5.1	1.0ms	-40 - 125	MPXA4250A6U-ND	13.90	12.76	11.01
18	2.18 - 14.8 psi	Absolute	4.7V	1317-04	5.1	15.0ms	-40 - 125	MPXH6101A6T1CT-ND	11.98	10.89	9.81
18	2.18 - 14.8 psi	Absolute	4.7V	1317-04	5.1	15.0ms	-40 - 125	MPXH6101A6T1TR-ND	7840.80/1,000	—	—
18	2.18 - 14.8 psi	Absolute	4.7V	1317-04	5.1	15.0ms	-40 - 125	MPXH6101A6U-ND	10.43	9.57	8.73
18	2.18 - 14.8 psi	Absolute	4.95V	1317-04	5.1	15.0ms	-40 - 125	MPXH6101A6U-ND	10.43	8.73	8.26
15	2.18 - 101.5 psi	Absolute	4.7V	867-08	5.0	1.0ms	-40 - 125	MPX5700A-ND	9.71	8.91	8.13
18	3.0 - 36 psi	Absolute	4.7V	1317-04	5.1	1.0ms	-40 - 125	MPXH6250A6U-ND	10.43	9.57	8.26
25	3.0 - 36 psi	Absolute	4.7V	1317A-01	5.1	1.0ms	-40 - 125	MPXH6250A6U-ND	10.43	9.57	8.26
18	3.0 - 42 psi	Absolute	4.6V	1317-04	5.1	1.0ms	-40 - 125	MPXH6300A6U-ND	10.43	9.57	8.26
25	3.0 - 42 psi	Absolute	4.6V	1317A-01	5.1	1.0ms	-40 - 125	MPXH6300A6U-ND	10.43	9.57	8.73
25	3.0 - 58 psi	Absolute	4.8V	1317A-03	5.0	1.0ms	-40 - 125	MPXH6400A6U-ND	10.43	8.73	8.26
25	3.0 - 58 psi	Absolute	4.6V	1317A-01	5.0	1.0ms	-40 - 125	MPXH6400AC6T1CT-ND	10.43	8.26	7.89
25	3.0 - 58 psi	Absolute	4.6V	1317A-01	5.0	1.0ms	-40 - 125	MPXH6400AC6T1TR-ND	2352.24/300	—	—
12	-16.7 - 2.2 psi	Differential	4.6V	482A-01	5.0	1.0ms	-40 - 125	MPXV4115V6C6U-ND	13.90	12.76	11.01
12	-16.7 - 2.2 psi	Differential	4.4V	482A-01	5.0	1.0ms	-40 - 125	MPXV6115V6C6U-ND	10.43	9.57	8.26
12	-7.25 - 0 psi	Differential	4.5V	482A-01	5.0	1.0ms	-40 - 125	MPXV5050V6C6T1CT-ND	10.43	8.73	—
12	-7.25 - 0 psi	Differential	4.5V	482A-01	5.0	1.0ms	-40 - 125	MPXV5050V6C6T1TR-ND	784.08/100	—	—
18	2.2 - 18.9 psi	Absolute	4.8V	1317-04	5.0	1.0ms	-40 - 125	MPXH26130A6U-ND	10.96	9.18	8.68
17	0 - 7.25 psi	Gauge	40mV	1320A-02	5.0	1.0ms	0 - 85	MPXM2051GS-ND	9.40	7.87	7.45
19	0 - 7.25 psi	Gauge	60mV	482C-03	5.0	1.0ms	0 - 85	MPXV53GC7U-ND	7.30	6.11	5.78
18	2.2 - 16.7 psi	Absolute	2.8V	1317-04	5.0	1.0ms	-40 - 125	MP3H6115A6U-ND	10.43	8.73	8.26
25	2.2 - 16.7 psi	Absolute	2.8V	1317A-03	5.0	1.0ms	-40 - 125	MP3H6115AC6U-ND	10.43	8.73	8.26

\* Response time is defined as the time for the incremental change in output to go from 10% to 90% of its final value when subjected to a specified step change in pressure.

### Proximity Sensors and Kits

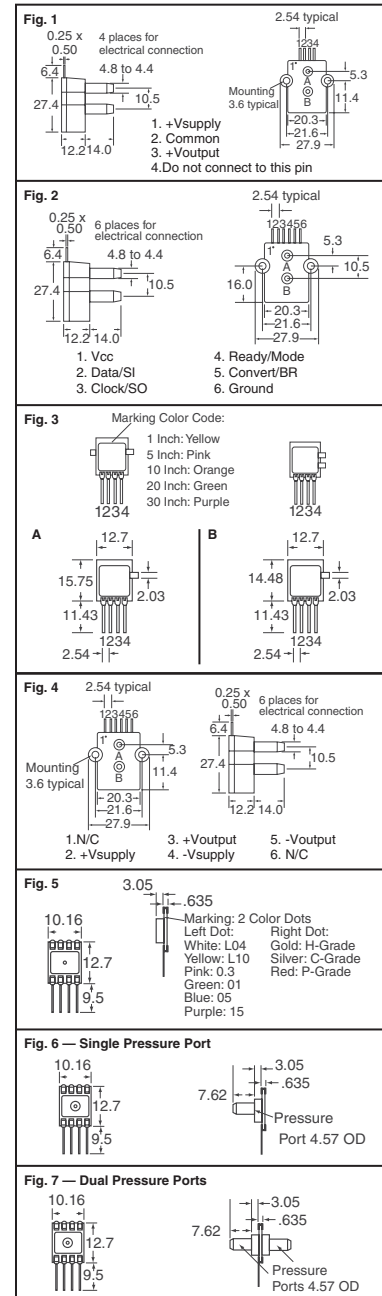


Fig.	Supply (VDC)	Supply Current (A)	Operating Temperature (°C)	Package	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	Freescale Part No.
						1	25	100			

# ALL SENSORS Pressure Sensors

Fig.	Pressure	Pressure Type	Output	Supply (VDC)	Compensated Temperature	Operating Temperature	Digi-Key Part No.	1	Price Each	25	100	All Sensors Part No.
<b>Amplified with Voltage Reference Low Pressure</b>												
1	0-20	In H <sub>2</sub> O	4V	5.5 - 16	5°C - 50°C	-25°C - 85°C	442-1008-ND	71.87	54.45	52.28		20 INCH-G-4V-REF
<b>Amplified Low Pressure</b>												
1	±1 ±1 0-1 ±5 0-5 ±10 0-10 0-20 ±30	mbar In H <sub>2</sub> O In H <sub>2</sub> O In H <sub>2</sub> O In H <sub>2</sub> O	4V	3 - 6	5°C - 50°C	-25°C - 85°C	442-1011-ND	130.68	91.48	81.68		1 MBAR-D-4V
							442-1012-ND	79.86	55.91	49.92	1 INCH-D-4V	
							442-1013-ND	87.12	60.99	54.45	1 INCH-G-4V	
							442-1014-ND	79.86	55.91	49.92	5 INCH-D-4V	
							442-1015-ND	79.86	55.91	49.92	5 INCH-G-4V	
							442-1016-ND	79.86	55.91	49.92	10 INCH-D-4V	
442-1017-ND	79.86	55.91	49.92	10 INCH-G-4V								
442-1019-ND	79.86	55.91	49.92	20 INCH-G-4V								
442-1020-ND	79.86	55.91	49.92	30 INCH-D-4V								
<b>Amplified Middle Pressure</b>												
1	±0.3 0-0.3	PSID PSIG	4V	3 - 7	5°C - 50°C	-25°C - 85°C	442-1022-ND	72.60	50.82	45.38		0.3 PSI-D-4V
							442-1023-ND	72.60	50.82	45.38		0.3 PSI-G-4V
<b>Barometric Pressure</b>												
1	600-1100	mbar	4V	4.5 - 5.5	5°C - 50°C	-40°C - 125°C	442-1089-ND	72.60	50.82	45.38		BARO-A-4V
2	600-1100	mbar	Digital/ Serial	7	-20°C - 85°C	-40°C - 125°C	442-1097-ND	203.28	—	—		BARO-DD
							442-1098-ND	392.04	—	—		BARO-DD-MIL
3A	600-1100	mbar	4.5 - 5.5V	4.5 - 75.5	5°C - 50°C	-25°C - 85°C	442-1092-ND	79.86	55.91	49.92		BARO-A-4V-MINI
							442-1095-ND	130.68	91.48	81.68		BARO-A-4V-MINI-PRIME
<b>Millivolt Output C-Grade Pressure</b>												
4	0-0.3 0-1	PSID PSID	20mV 18mV	16	0°C - 70°C	-25°C - 85°C	442-1029-ND	36.30	25.41	22.69		0.3 PSI-D-CGRADE-MV
							442-1030-ND	36.30	25.41	22.69		1 PSI-D-CGRADE-MV
<b>Millivolt Output H-Grade Pressure</b>												
4	0-1 0-5 0-15 0-15	PSID PSID PSID PSIA	18mV 60mV 90mV 60mV	16	0°C - 70°C	-25°C - 85°C	442-1033-ND	40.66	28.46	25.41		1 PSI-D-HGRADE-MV
							442-1034-ND	31.94	22.37	19.97	5 PSI-D-HGRADE-MV	
							442-1035-ND	31.94	22.37	19.97	15 PSI-D-HGRADE-MV	
							442-1036-ND	31.94	22.37	19.97	15 PSI-A-HGRADE-MV	
<b>Millivolt Output Low Pressure</b>												
4	0-1 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	10mV 20mV 20mV 20mV 20mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1037-ND	58.08	40.66	36.30		1 INCH-D-MV
							442-1038-ND	53.72	37.61	33.58	5 INCH-D-MV	
							442-1039-ND	53.72	37.61	33.58	10 INCH-D-MV	
							442-1040-ND	53.72	37.61	33.58	20 INCH-D-MV	
							442-1041-ND	53.72	37.61	33.58	30 INCH-D-MV	
<b>Millivolt Output Prime Grade Pressure</b>												
4	0-0.3 0-1	PSID PSID	20mV 18mV	16	0°C - 70°C	-25°C - 85°C	442-1042-ND	46.46	32.53	29.04		0.3 PSI-D-PRIME-MV
							442-1043-ND	46.46	32.53	29.04		1 PSI-D-PRIME-MV
<b>Miniature Basic Offset Compensated Pressure</b>												
3B	0-1 0-10 0-20 0-1 0-5 0-10	In H <sub>2</sub> O	4.0 - 10.0mV 15 - 45mV 15 - 45mV 4.0 - 10.0mV 15 - 30mV 15 - 45mV	6	0°C - 70°C	-25°C - 85°C	442-1045-ND	36.30	25.41	22.69		1 INCH-G-BASIC
							442-1051-ND	36.30	25.41	22.69	10 INCH-G-BASIC	
							442-1054-ND	36.30	25.41	22.69	20 INCH-G-BASIC	
							442-1046-ND	36.30	25.41	22.69	1 INCH-D1-BASIC	
							442-1049-ND	36.30	25.41	22.69	5 INCH-D1-BASIC	
							442-1052-ND	36.30	25.41	22.69	10 INCH-D1-BASIC	
	0-10 0-30 0-1 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	4.0 - 10.0mV 15 - 45mV 15 - 45mV 4.0 - 10.0mV 15 - 30mV 15 - 45mV	6	0°C - 70°C	-25°C - 85°C	442-1058-ND	36.30	25.41	22.69		30 INCH-D1-BASIC
							442-1047-ND	36.30	25.41	22.69	1 INCH-D2-BASIC	
							442-1050-ND	36.30	25.41	22.69	5 INCH-D2-BASIC	
							442-1053-ND	36.30	25.41	22.69	10 INCH-D2-BASIC	
							442-1056-ND	36.30	25.41	22.69	20 INCH-D2-BASIC	
							442-1059-ND	36.30	25.41	22.69	30 INCH-D2-BASIC	
<b>Miniature Low Pressure</b>												
3B	0-5 0-10 0-30 0-5 0-20	In H <sub>2</sub> O	19 - 21mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1077-ND	50.82	35.58	31.77		5 INCH-G-MV-MINI
							442-1080-ND	50.82	35.58	31.77	10 INCH-G-MV-MINI	
							442-1086-ND	50.82	35.58	31.77	30 INCH-G-MV-MINI	
							442-1078-ND	50.82	35.58	31.77	5 INCH-D1-MV-MINI	
							442-1084-ND	50.82	35.58	31.77	20 INCH-D1-MV-MINI	
	0-30 0-5 0-10 0-20 0-30	In H <sub>2</sub> O	19 - 21mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1087-ND	50.82	35.58	31.77		30 INCH-D1-MV-MINI
							442-1079-ND	50.82	35.58	31.77	5 INCH-D2-MV-MINI	
							442-1082-ND	50.82	35.58	31.77	10 INCH-D2-MV-MINI	
							442-1085-ND	50.82	35.58	31.77	20 INCH-D2-MV-MINI	
							442-1088-ND	50.82	35.58	31.77	30 INCH-D2-MV-MINI	
<b>Miniature H-Grade Pressure</b>												
5	0-4 0-0.3 0-10 0-1 0-15	In H <sub>2</sub> O PSIG PSIG PSIG PSIA	24 - 26mV 19 - 21mV 19 - 21mV 17.82 - 18.18mV 59.4 - 60.6mV 89.1 - 90.9mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1060-ND	43.56	30.50	27.23		4 INCH-G-HGRADE-MINI
							442-1063-ND	43.56	30.50	27.23	0.3 PSI-G-HGRADE-MINI	
							442-1066-ND	43.56	30.50	27.23	10 INCH-G-HGRADE-MINI	
							442-1069-ND	43.56	30.50	27.23	1 PSI-G-HGRADE-MINI	
							442-1072-ND	36.30	25.41	22.69	5 PSI-G-HGRADE-MINI	
6	0-4 0-0.3 0-10 0-15	In H <sub>2</sub> O PSIG In H <sub>2</sub> O PSIA	24 - 26mV 19 - 21mV 19 - 21mV 89.1 - 90.9mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1061-ND	43.56	30.50	27.23		4 INCH-GF-HGRADE-MINI
							442-1064-ND	43.56	30.50	27.23	0.3 PSI-GF-HGRADE-MINI	
							442-1067-ND	43.56	30.50	27.23	10 INCH-GF-HGRADE-MINI	
							442-1076-ND	36.30	25.41	22.69	15 PSI-AF-HGRADE-MINI	
							442-1062-ND	43.56	30.50	27.23	4 INCH-D-HGRADE-MINI	
7	0-4 0-0.3 0-1	In H <sub>2</sub> O PSID	24 - 26mV 19 - 21mV 17.82 - 18.18mV	16	0°C - 50 (70)°C	-25°C - 85°C	442-1065-ND	43.56	30.50	27.23		0.3 PSI-D-HGRADE-MINI
							442-1071-ND	43.56	30.50	27.23	1 PSI-D-HGRADE-MINI	

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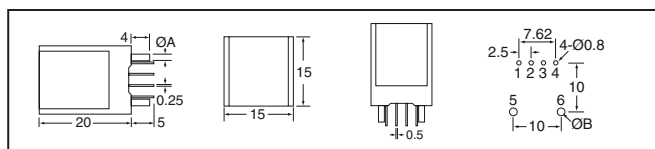


## CUI INC Current Sensor

The SCD series current sensors are PC board mounted, Hall effect, open-loop devices which output a voltage equivalent to the magnitude of current sensed.

Capable of detecting DC current and AC currents where ± input currents are represented as a + voltage only.

Pin Assignment	
Pin No.	Pin Name
1	+5V
2	NC
3	Output
4	0V
5	Input (+)
6	Input (-)



Rated Current (A)	Output Voltage (V)	Supply Voltage (V)	Input Current Polarity	Response	Operating Temperature	Mounting Hole Dimensions — mm	Digi-Key Part No.	Price Each	10	25	CUI Part No.
±3 ±20	4.5/0.5	5	± Bipolar ± Bipolar	3µS typical	-10°C - 75°C	0.6	102-1055-ND◆	18.90	15.12	12.85	SCD03PUR
						1.7	102-1059-ND◆	18.90	15.12	12.85	SCD20PUR
3 5 10 15 20	4.5	5	+DC only +DC only +DC only +DC only +DC only	3µS typical	-10°C - 75°C	0.6	102-1050-ND◆	18.90	15.12	12.85	SCD03PUN
						0.9	102-1051-ND◆	18.90	15.12	12.85	SCD05PUN
						1.1	102-1052-ND◆	18.90	15.12	12.10	SCD10PUN
						1.4	102-1053-ND◆	18.90	15.12	12.85	SCD15PUN
						1.7	102-1054-ND◆	18.90	15.12	12.85	SCD20PUN
						1.7	102-1054-ND◆	18.90	15.12	12.85	SCD20PUN

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