



Delphi Pressure Sensors

Product Overview

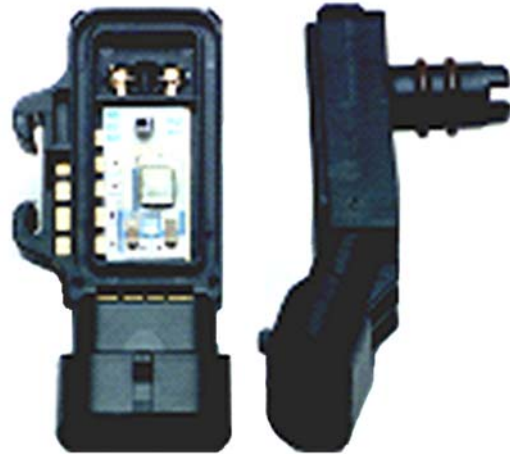
Power & Signal Group is pleased to announce the addition of Delphi's Pressure Sensor product offering to our line card. Delphi is an industry leader in low and medium air pressure sensors, using micromachined silicon piezoresistive technology that produces a voltage output proportional to pressure. Delphi's Pressure Sensors can also be trimmed to your own specifications.

Typical Applications

Manifold Absolute Pressure (MAP)
Manifold Absolute Pressure and Temperature (MAP/MAT)
Barometric Pressure
EGR Pressure
Brake Boost Pressure
Fuel Vapor Pressure
Air Filter Quality
Turbo-charged Engine Intake Manifold Pressure
Super-charged Engine Intake Manifold Pressure
Diesel Engine Pressure
Occupant Sensing (Bladder type)

Features & Benefits

Solid-state microelectronic technology
Electronically programmable trimming to customer specifications
Reliable, robust design
Designed to perform in harsh environments
Temperature compensation
EMI Protection
Cost-effective solutions
Appropriate for automotive and non-automotive applications
ISO 9001 and QS-9000 certified



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The parts listed below are stocked by Power & Signal Group. Additional components are available or can be designed to customer specifications. Contact Power & Signal Group for more information.

PART NUMBER	12219927	21002284	12232201	16212460	16258659	12219931	09350899	16235939	12223861	09373269	12215049	12219935
DESCRIPTION	MAP SENSOR, GEN 1.5	MAP SENSOR, GEN II (Replaces 09359409)	MAP/MAT SENSOR, GEN III	MAP SENSOR, GEN III, SEALED	MAP SENSOR, GEN III	MAP SENSOR, GEN 1.5	TURBO SENSOR, GEN II, 2.5 ATM	TURBO SENSOR, GEN II, 2.5 ATM, SEALED	TURBO SENSOR, GEN 1.5, 2.5 ATM.	TURBO SENSOR, GEN II, 3.3 ATM, SEALED	TURBO SENSOR, GEN II, 3.3 ATM	TURBO SENSOR, GEN 1.5, 3 ATM.
PRESSURE RANGE, OPERATING	15-102 kPa	15-102 kPa	20-102 kPa	20-102 kPa	20-102 kPa	20-105 kPa	20-200 kPa	20-200 kPa	40-304 kPa	50-333.3 kPa	50-333.3 kPa	70-300 kPa
MAX.	300 kPa	300 kPa	300 kPa	300 kPa	300 kPa	300 kPa	700 kPa	700 kPa	700 kPa	700 kPa	700 kPa	700 kPa
ACCURACY	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1% to 5%	1% to 5%	1% to 5%	1% to 5%	1% to 5%	1% to 5%
OPERATING TEMPERATURE	-40 to +105 C	-40 to +105 C	-40 to +105 C	-40 to +105 C	-40 to +105 C	-40 to +125 C	-40 to +125 C	-40 to +125 C	-40 to +125 C	-40 to +125 C	-40 to +125 C	-40 to +125 C
SUPPLY VOLTAGE	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.1 +/- 0.36V dc	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.1 +/- 0.36V dc	5.0 +/- 0.1V dc	5.0 +/- 0.1V dc	5.1 +/- 0.36V dc
SUPPLY CURRENT	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc	<10 mA V dc
DELPHI MATING CONNECTOR	12020403	12129946	12162833	12129946	12129946	12103345	12129946	12129946	12103771	12129946	12129946	12129946
COMPATIBLE MEDIA	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
CASE QUANTITY	96	300	480	480	240	96	300	300	96	300	300	96
INNERPACK QUANTITY	8	10	10	10	10	8	10	10	8	10	10	8

For pricing and samples, contact your Field Sales Representative or call 1-800-722-5273. Or visit us on the web at www.powerandsignal.com.

For drawings or data sheets, call our engineering department at 1-800-610-4838.

