



The SMD Series is a surface-mountable pressure monitoring device suitable for low to medium pressure applications.

COMPANY: Merit Sensor is a leader in piezoresistive pressure sensing and partners with clients to create high performing solutions for a variety of applications and industries.

SENTIUM: Merit Sensor products incorporate a proprietary Sentium® technology developed to provide a best-in-class operating temperature range (-40°C to 85°C) and superior stability.

TECHNOLOGY: Merit Sensor utilizes a piezoresistive Wheatstone bridge in a design that anodically bonds glass to a chemically etched silicon diaphragm. All products are RoHS compliant.



CAPABILITIES: Merit Sensor designs, engineers, fabricates, dices, assembles and tests all products from a state-of-the-art facility near Salt Lake City, Utah.

FEATURES

Range	5 to 500 psi (0.34 to 34.5 bar; 34.5 to 3,447 KPa)
Type	Absolute, gage
Media	Clean, dry air and non-corrosive gases
Packaging	Bulk
Flexibility	Sensitivity, resistance, bridge, constraint, etc.

BENEFITS

Performance	Enjoy best-in-class performance due to Merit's proprietary Sentium technology.
Cost	Save money over time with high-performing die
Security	Feel confident doing business with an experienced company backed by a solid parent company (NASDAQ: MMSI)
Speed	Get to market quickly with creative and flexible solutions.
Service	Experience prompt, personal, and professional support.



SMD Series Part Number Configurator

SXX-XXXX-XX		
Impedance 1 = 5kohm Closed Bridge 2 = 3.5kohm Closed Bridge		Cover 1 = No Gel 2 = Gel ^{1,2}
Constraint 1 = Absolute 2 = Gage		Cap 1 = Square Ceramic Cap 2 = Round Ceramic Chimney
PSI 0005 = 5 psi 0015 = 15 psi 0030 = 30 psi 0100 = 100 psi 0300 = 300 psi 0500 = 500 psi		See reverse for dimensions

Example: S11-0015-11 offers 5kohm Impedance, Closed Bridge, Absolute Constraint, 15 psi, Square Ceramic Cap, No Gel

¹ Not available with cap. ² Not available above 100 psi.

SMD Series Standard Part Numbers

S11-0005-11	S22-0300-11	S21-0005-21
S11-0015-11	S22-0500-11	S21-0015-21
S11-0030-11	S11-0005-21	S21-0030-21
S11-0100-11	S11-0015-21	S21-0100-21
S11-0300-11	S11-0030-21	S21-0300-21
S11-0500-11	S11-0100-21	S21-0500-21
S12-0005-11	S11-0300-21	S22-0005-21
S12-0015-11	S11-0500-21	S22-0015-21
S12-0030-11	S12-0005-21	S22-0030-21
S12-0100-11	S12-0015-21	S22-0100-21
S12-0300-11	S12-0030-21	S22-0300-21
S12-0500-11	S12-0100-21	S22-0500-21
S21-0005-11	S12-0300-21	S21-0005-22
S21-0015-11	S12-0500-21	S21-0015-22
S21-0030-11	S11-0005-22	S21-0030-22
S21-0100-11	S11-0015-22	S21-0100-22
S21-0300-11	S11-0030-22	S22-0005-22
S21-0500-11	S11-0100-22	S22-0015-22
S22-0005-11	S12-0005-22	S22-0030-22
S22-0015-11	S12-0015-22	S22-0100-22
S22-0030-11	S12-0030-22	
S22-0100-11	S12-0100-22	

