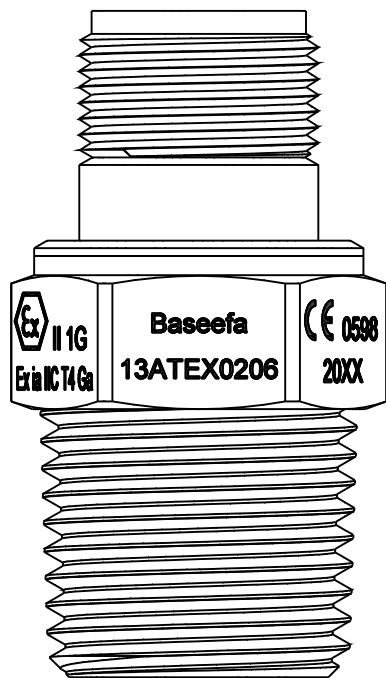
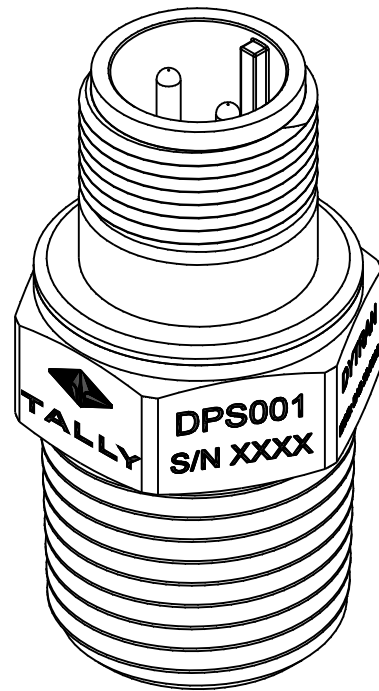
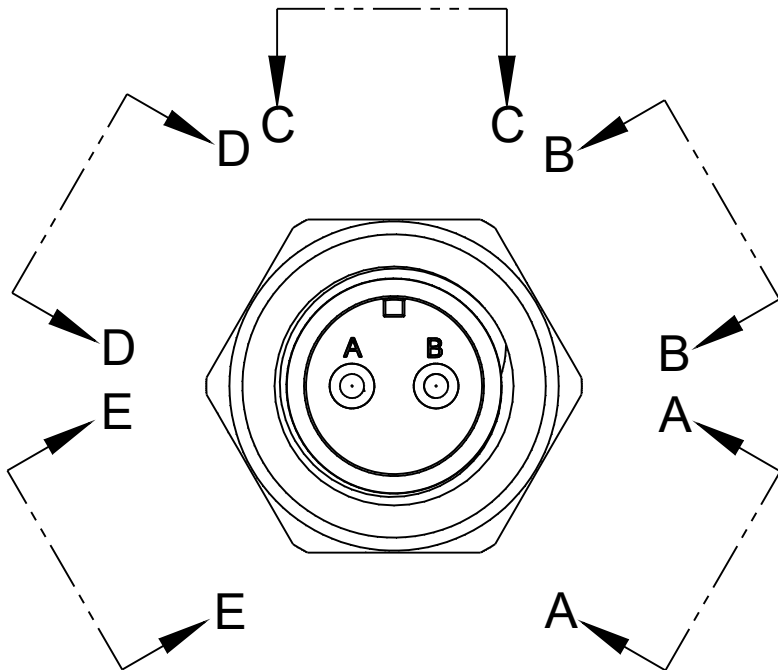
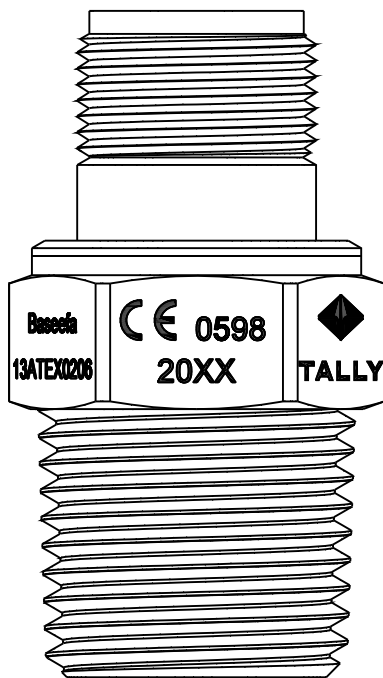


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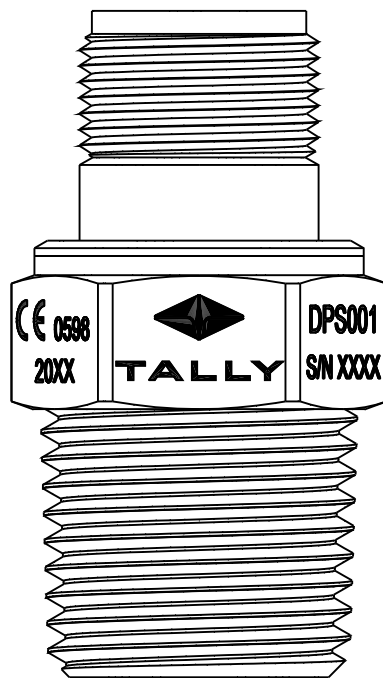
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VIEW D-D



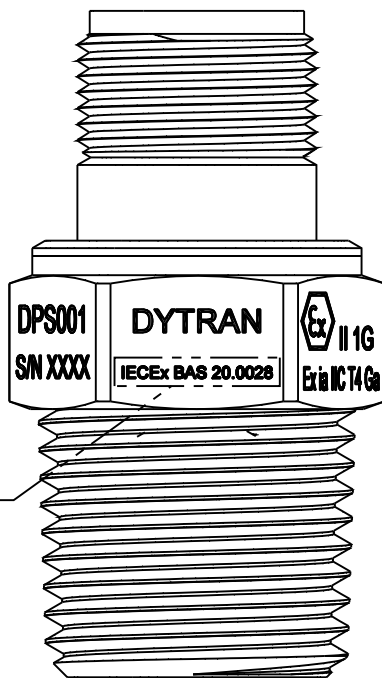
VIEW E-E



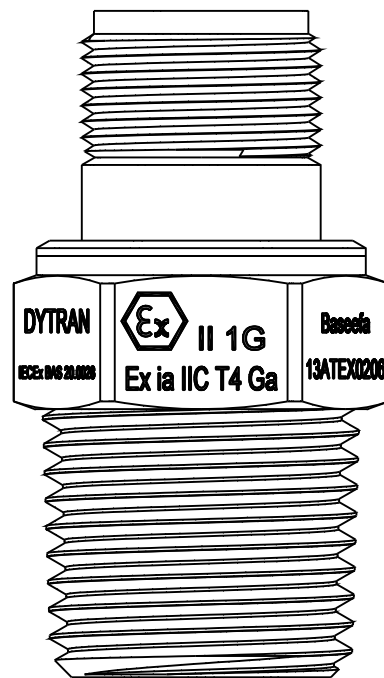
VIEW A-A



VIEW B-B



VIEW C-C



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CONFIGURATION CONTROL BOARD
DYTRAN INSTRUMENTS, INC.

CM AM QA JN

IECEX BAS 20.0028

DETAIL F
SCALE 6 : 1



Chatsworth, CA

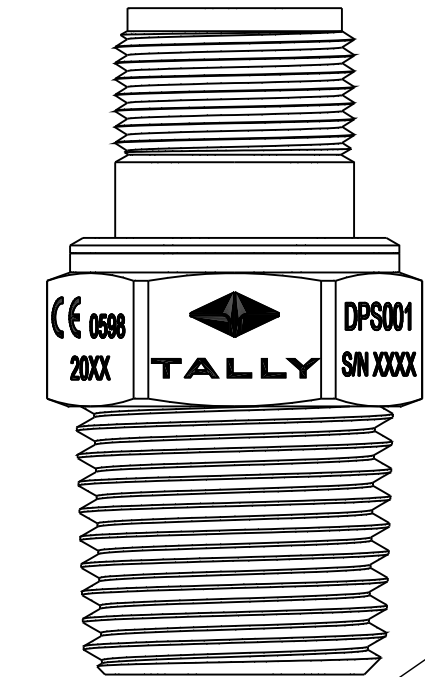
TITLE: OUTLINE/INSTALLATION
DRAWING, DYNAMIC PRESSURE
SENSOR, MODEL 2006M6

SIZE B	CAGE CODE 2W033	DWG NO 127-2006M6	REV D
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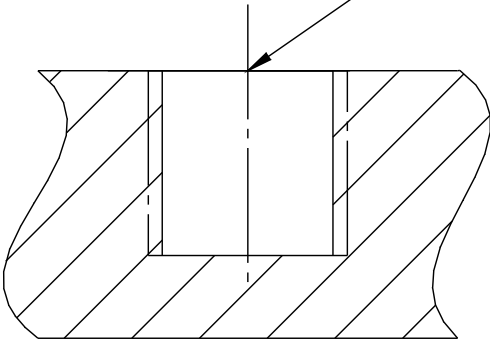
SCALE: 2:1	PART NO: 2006M6	SHEET 2 OF 3
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RECOMMENDED MOUNTING PREP:
PREPARE MOUNTING SURFACE FLAT TO .001 TIR.
MOUNTING TORQUE: 30lb-ft



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CONFIGURATION CONTROL BOARD
DYTRAN INSTRUMENTS, INC.

CM _____ AM _____ QA _____ JN _____

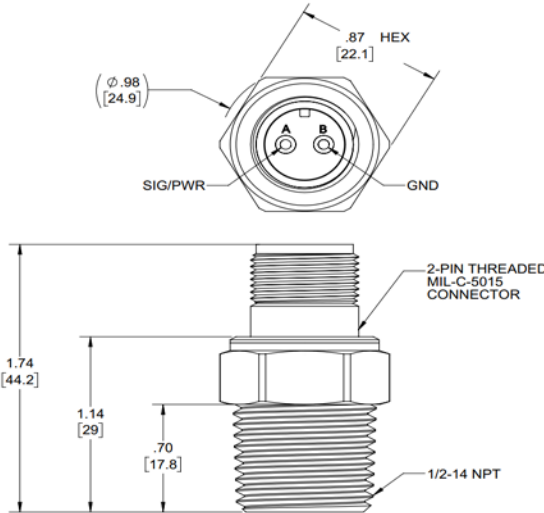
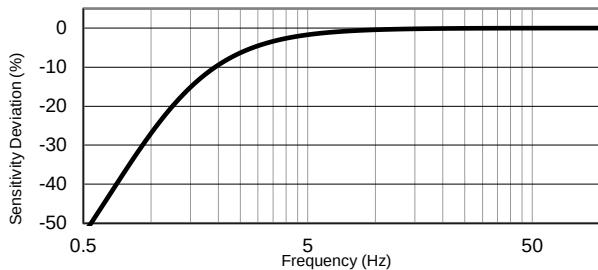
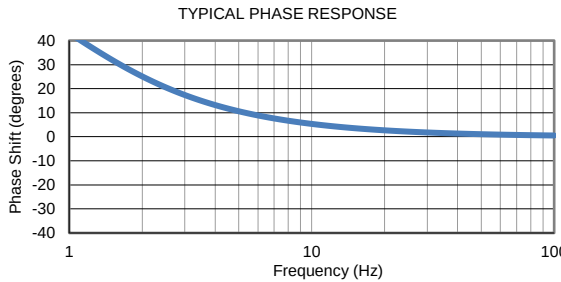


Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, DYNAMIC PRESSURE
SENSOR, MODEL 2006M6**

SIZE B	CAGE CODE 2W033	DWG NO 127-2006M6	REV D
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SCALE: 2:1	PART NO: 2006M6	SHEET 3 OF 3
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MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																									
2006M6						PS2006M6																									
		DYNAMIC PRESSURE SENSOR, IEPE					REV B, ECN 16690, 04/20/22																								
 • HIGH SENSITIVITY • ACCELERATION COMPENSATION • ELECTRICALLY ISOLATED HOUSING																															
		ENGLISH		SI																											
PHYSICAL																															
Weight, Max		2.9	oz	83	grams																										
Mounting Provision		1/2-14 NPT		1/2-14 NPT																											
Connector	Type	MIL-C-5015, 2-Pin		MIL-C-5015, 2-Pin																											
Diaphragm Material	Material	304L		304L																											
PERFORMANCE																															
Sensitivity +/- 10%		50	mV/psi	7.2 X 10 ³	mV/Pa																										
Range F.S for +/- 5 volts peak out		+/-100	psi	689476	Pa																										
Maximum Pressure		8000	psi	5.5 X 10 ⁷	Pa																										
Equivalent Electrical Noise (Resolution)		0.0014	psi	9.65	Pa																										
Mounted Resonant Frequency		>50000	Hz	>50000	Hz																										
Frequency Response, +/- 10%		2 to 5000	Hz	2 to 5000	Hz																										
Minimum Rise Time of Input Pulse		2	µsec	2	µsec																										
Discharge Time Constant		0.17 to 2.0	sec	0.17 to 2.0	sec																										
Linearity [1]		+/-1	Hz	+/-1	%F.S																										
Lower -3dB Frequency		1	Hz	1	Hz																										
Acceleration Sensitivity, Axial Direction		0.002	psi/g	0.014	kPa/g																										
ENVIRONMENTAL																															
Maximum Vibration		3000	g rms	3000	g rms																										
Maximum Shock		10000	g pk	10000	g pk																										
Temperature Range		-40 to +250	°F	-40 to +121	°C																										
Thermal Coefficient Of Sensitivity		0.03	% / °F	0.02	% / °C																										
Environmental Seal		Hermetic		Hermetic																											
Power/Sig Ground Isolation, Min		100	MΩ	100	MΩ																										
ELECTRICAL																															
Excitation Voltage Range		18 to 30	VDC	18 to 30	VDC																										
Excitation Current Range [2]		2 to 20	mA	2 to 20	mA																										
Output Impedance, Nom.		100	Ω	100	Ω																										
Output Bias Voltage		7.5 to 9.5	VDC	7.5 to 9.5	VDC																										
Output Signal Polarity		Positive		Positive																											
This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/psi)</th><th>Range (psi pk)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC (Sec)</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> Please, refer to the performance specifications of the products in this family for detailed description. Notes: [1] Percent full scale, zero based fit straight line method. [2] From constant current type power unit only. This sensor MUST NOT BE CONNECTED to a DC power source without current limiting, 20mA Maximum. [3] A calibration certificate traceable to NIST is supplied with each instrument. [4] In the interest of constant product improvement, we reserve the right to change the specification without notice It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.								Model	Sensitivity (mV/psi)	Range (psi pk)	Resolution (Grms)	Oper. Temp(°F)	TC (Sec)																		
Model	Sensitivity (mV/psi)	Range (psi pk)	Resolution (Grms)	Oper. Temp(°F)	TC (Sec)																										
 TYPICAL LOW FREQUENCY RESPONSE  TYPICAL PHASE RESPONSE 																															
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-2006M6 for more information.																															

