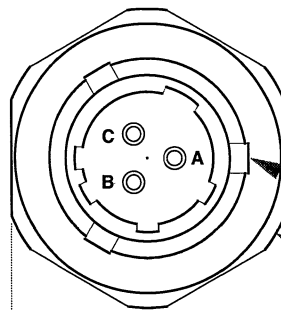


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7284	INITIAL RELEASE	RA, 12/22/10	JS	JS

PINOUT:
PIN A-CASE GROUND
PIN B-SIG/PWR GND RET
PIN C-SIG/PWR



3-PIN BAYONET STYLE
MS3443H898PN CONNECTOR,
HERMETIC. SEE NOTE 6 FOR MATING
CONNECTOR SUGGESTIONS.
Ø .811, HEX CORNERS

.75 [19] HEX

Ø .73 [18.5]

ARROW INDICATES SENSE AND
DIRECTION OF ACCELERATION FOR
POSITIVE-GOING OUTPUT VOLTAGE

Ø.047 [1.2] LOCKWIRE
HOLES, TYP 2 HOLES

**MOUNTING SURFACE
PREPARATION:**

PREPARE FLAT CIRCULAR
AREA APPROX. Ø.750[19], FLAT
TO WITHIN .0005 T.I.R. AT
CENTER, TAP 1/4-28 UNF-2B X
.38 [9.7] DEEP MIN

1.43 [36.2]

.36 [9.1]

1/4-28
THREAD

Ø .641
[16.28]

MOUNTING SURFACE

6 TYPICAL MATING CONNECTORS ARE:
MS3476W898SN (STANDARD
PLUG, CADMIUM FINISH). FOR PLUG W/
RFI FINGERS: MS3475 W898SN. OTHER
VARIATIONS ARE AVAILABLE.

5. MATERIAL, BODY & CONNECTOR: 300
SERIES STAINLESS STEEL.

4. SENSING ELEMENT: SINGLE CRYSTAL SHEAR.

3. POWER/SIGNAL GROUND
INSULATED FROM OUTER CASE.
INSULATION RESISTANCE: > 10
GOHMS.

2. SEALING: HERMETIC.

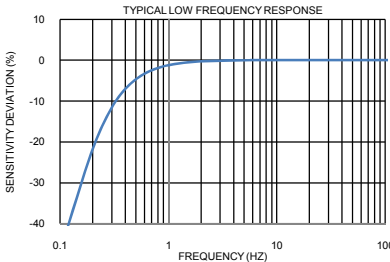
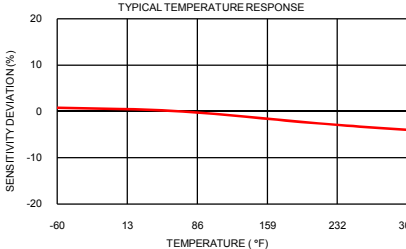
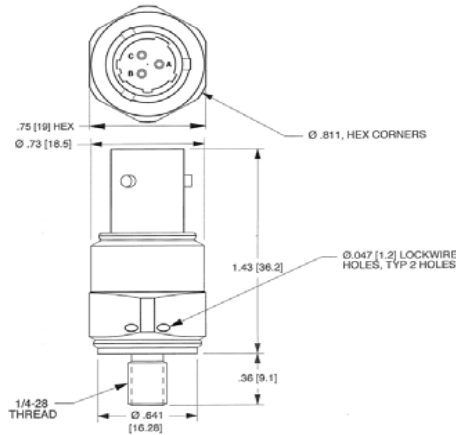
1. WEIGHT: 43 GRAMS.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994. REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA. THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S- 7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
ALL MACHINED SURFACES ⁶³ TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RADI .005 TO .015 WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12	

CONTRACT NO		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25		
FINISH		
DO NOT SCALE DRAWING		

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE 2X	DESIGN NC	DATE 10/10/07			
DRAWN RA	DATE 12/22/10	PART NO. -			
CHECKED -	DATE -	MAT'L -	REV A		
APPROVED JS	DATE 1/10/11	NEXT ASSEMBLY -	USED ON -		
TITLE OUTLINE/INSTALLATION, MODEL 3062B1			DWG NO. 127-3062B1		
			SHEET 1 OF 1		

Model Number 3062B1		PERFORMANCE SPECIFICATION			DOC NO PS3062B1
		HIGH FREQUENCY IEPE QUARTZ SHEAR ACCELEROMETERS			REV A, ECN 7284, 01/10/10
		• HIGH FREQUENCY PERFORMANCE • EXCELLENT LINEARITY • ELECTRICALLY ISOLATED • HERMETICALLY SEALED			
		ENGLISH		SI	
PHYSICAL					
Weight, Max		1.51	oz	43	grams
Connector	Type Pins[1]	Bayonet Style		Bayonet Style	
		3 PIN		3 PIN	
Mounting Provision : Integral Stud		1/4 - 28 UNF-2A Stud		1/4 - 28 UNF-2A Stud	
Material : Housing, Base and Connector		300 Series Stainless Steel		300 Series Stainless Steel	
Element Style		Single Crystal Shear		Single Crystal Shear	
PERFORMANCE					
Sensitivity, ±5% [2]		25	mV/g	2.55	mV/m/s ²
Range F.S for ± 5 Volts Output		±200	g	±1962	m/s ²
Frequency Range	±5%	0.48 to 10000	Hz	0.48 to 10000	Hz
	±15%	0.25 to 15000	Hz	0.25 to 15000	Hz
Resonant Frequency, Nominal		>30	kHz	>30	kHz
Equivalent Electrical Noise Floor		0.009	Grms	0.088	m/s ² rms
Linearity [3]		± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse sensitivity		5	%	5	%
Strain Sensitivity		0.002	g/με	0.02	m/s ² /με
ENVIRONMENTAL					
Maximum Vibration		±600	G's,peak	±5886	m/s ² peak
Maximum Shock		±3000	G's,peak	±29430	m/s ² peak
Temperature Range		-60 to +305	°F	-54 to 152	°C
Seal		Hermetic		Hermetic	
Electrical					
Supply Current Range [4]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+ 18 to +30	Volts	+ 18 to +30	Volts
Output Impedance, Typ		100	Ω	100	Ω
Bias Voltage		+7.5 to +9.5	VDC	+7.5 to +9.5	VDC
Discharge Time Constant		1.0 to 1.8	Sec	1.0 to 1.8	Sec
Output Signal Polarity for Acceleration Towards Top		Positive		Positive	
Electrical Isolation, Ground (Pin B) to case(pin A)		10	GΩ,min	10	GΩ,min
		This family also includes:			
		Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock
					Resonant Frequency
		Please, refer to the performance specifications of the products in this family for detailed description			
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)			
		Notes: [1] Pin A-caseground, Pin B - sig/pwr return, Pin C - sig/pwr [2] Measure at 100Hz, 1 Grms per ISA RP 37.2 [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [5] Lock wire holes are included in the base [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.			
		 			
					
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3062B1 for more information.			
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