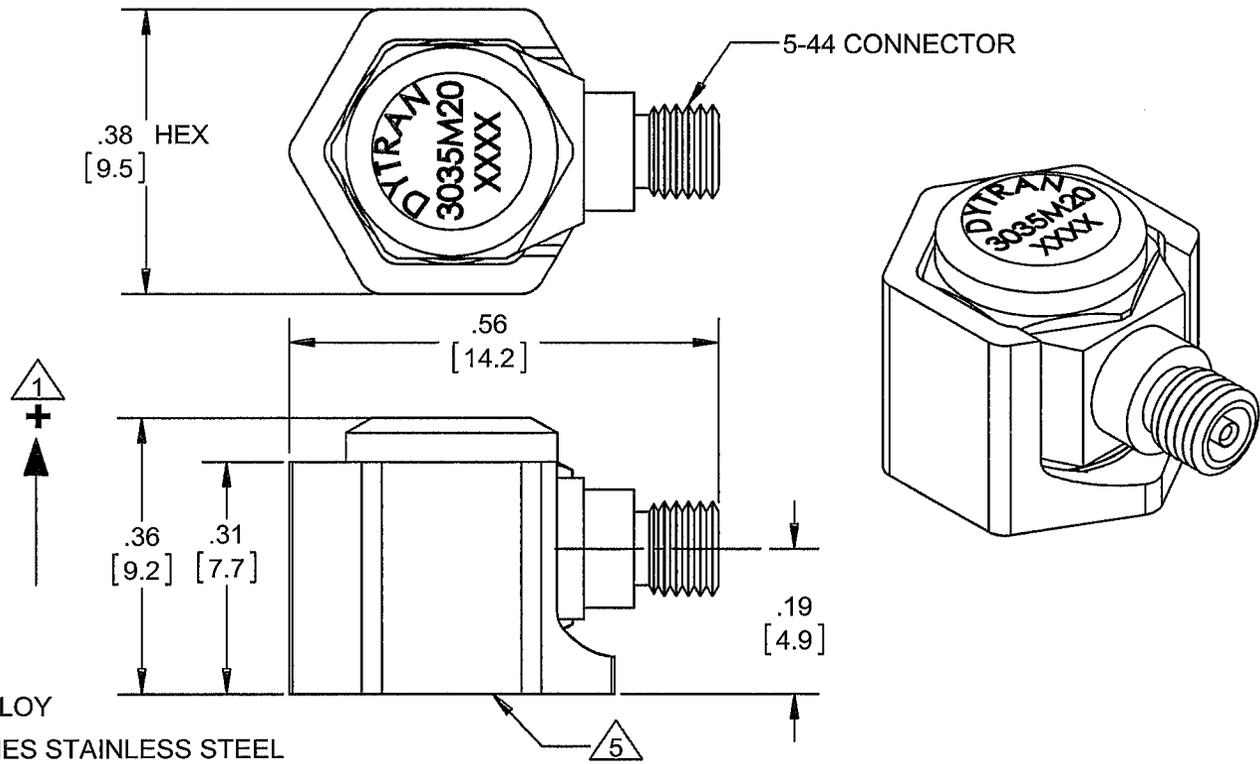


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	REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
	A	10265	INITIAL RELEASE	RA, 08/14/13	EM	Dr

8/19/13



△ MOUNTING SURFACE PREPARATION:  
 SELECT OR PREPARE A FLAT AREA OF AT LEAST Ø.38, FLAT TO .001 TIR. CLEAN TO REMOVE CONTAMINANTS. ADHESIVE MOUNT WITH CYANOACRYLATE OR DYTRAN MOUNTING WAX MODEL 6298.

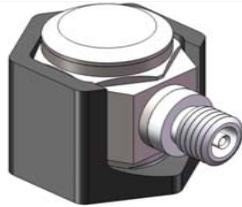
- 4. ISOLATION CUP MATERIAL: 6061-T6 ALUM ALLOY
- 3. CASE AND CONNECTOR MATERIAL: 300 SERIES STAINLESS STEEL
- 2. WEIGHT: 3.15 GRAMS

△ ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING. ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE: INCHES    METRIC    ANGLES .XX ± .03    .X ± 0.8    ± 1° .XXX ± .010    .XX ± 0.25		CONTRACT NO.		<p><b>MASTER COPY ONLY IF IN RED</b>          Chatsworth, CA</p>	
USED ON	NEXT ASSY	MATERIAL		APPROVALS		DATE	
APPLICATION		FINISH		ORIG	RA	08/13/13	
THIRD ANGLE PROJECTION USA		DO NOT SCALE DRAWING		CHK	EM	8/19/13	
				APP	Dr	9/19/13	
				APP			
				SIZE	CAGE CODE	DWG. NO.	REV
				A	2W033	127-3035M20	A
				SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

<b>Model Number</b> 3035M20	<b>PERFORMANCE SPECIFICATIONS</b>	<b>DOC NO</b> PS3035M20
<b>IEPE ACCELEROMETER</b>		<small>REV B, ECN 12005, 06/04/15</small>



- **GROUND ISOLATED**
- **MINIATURE SIZE**
- **HERMETICALLY SEALED**

**PHYSICAL**

Weight  
Connector  
Mounting Provision  
Material, Housing/Connector  
Isolation Cup Material  
Sensing Element  
Element Style

ENGLISH		SI	
0.11	oz	3.15	grams
5-44 coaxial		5-44 coaxial	
Adhesive Mount		Adhesive Mount	
300 Series S.S.		300 Series S.S.	
Anodized Aluminum		Anodized Aluminum	
Ceramic		Ceramic	
Planar Shear		Planar Shear	

**PERFORMANCE**

Sensitivity, ±10% [1]  
Range for ± 5 Volts Output  
Frequency Response, ±5%  
Resonant Frequency  
Broad Band Resolution  
Linearity [2]  
Maximum Transverse Sensitivity  
Strain Sensitivity @ 250µε

10	mV/g	1	mV/m/s <sup>2</sup>
500	g	4905	m/s <sup>2</sup>
0.5 to 10k	Hz	0.5 to 10k	Hz
> 45	kHz	> 45	kHz
0.009	Grms	0.09	m/s <sup>2</sup> rms
1	% F.S.	1	% F.S.
5	%	5	%
0.002	g/µε	0.02	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
Seal

600	Gpeak	5886	m/s <sup>2</sup> peak
3000	Gpeak	29430	m/s <sup>2</sup> peak
-60 to +250	°F	-51 to 121	°C
Hermetic		Hermetic	

**ELECTRICAL**

Supply Current Range [3]  
Compliance Voltage Range  
Output Impedance, Typ  
Bias Voltage  
Discharge Time Constant  
Case Isolation

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+11 to +13	VDC	+11 to +13	VDC
0.5 to 1.5	Sec	0.5 to 1.5	Sec
10	MΩ,min	10	MΩ,min

**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

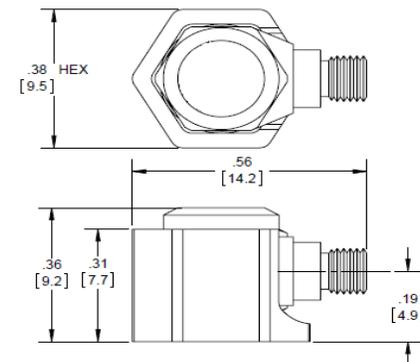
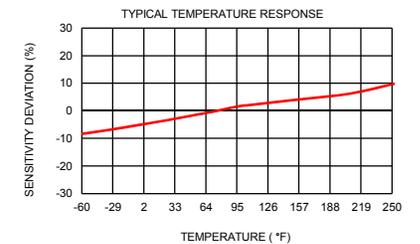
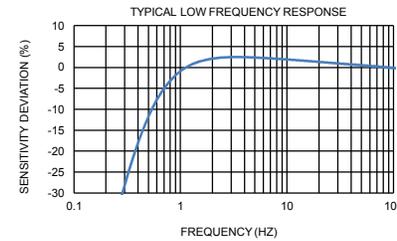
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035M20 for more information.



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