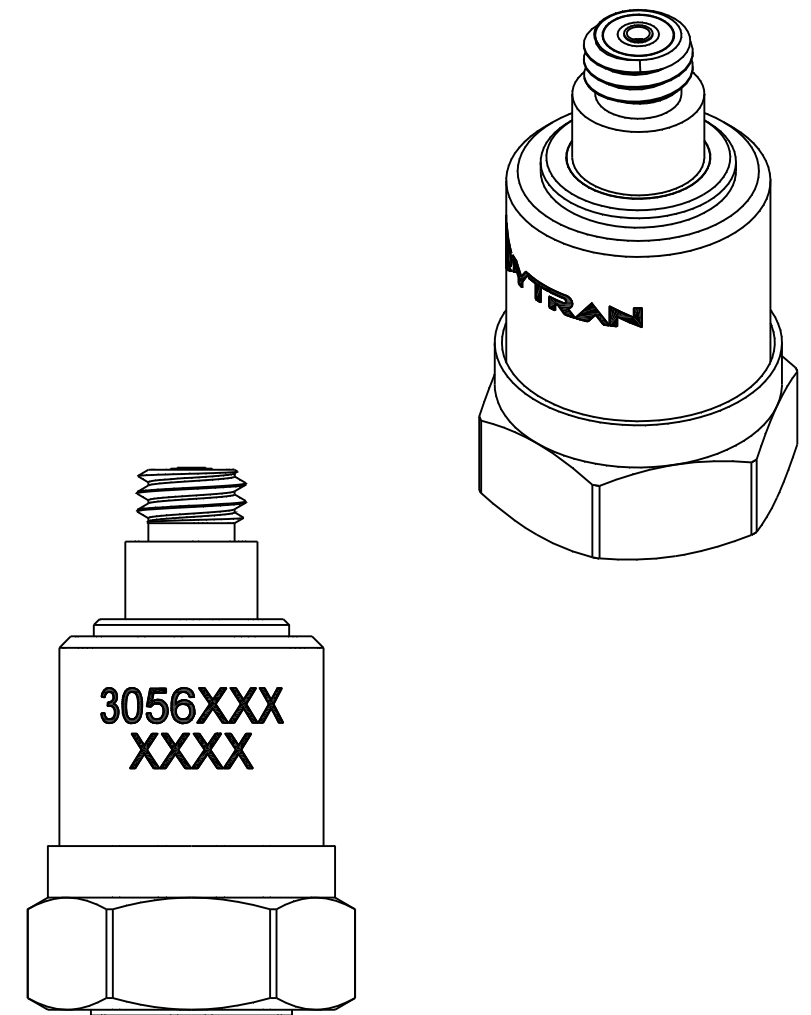


REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	16546	INITIAL RELEASE	AS 01/24/22	DV	AM

MODEL	SENSITIVITY	TEDS	OPERATING TEMPERATURE (°F)
3056C	15 pC/g	NO	-60 TO +375
3056F2	5 mV/g	NO	-67 TO +325
3056F3	10 mV/g	NO	-67 TO +325
3056F4	20 mV/g	NO	-67 TO +325
3056F5	50 mV/g	NO	-67 TO +325
3056F6	100 mV/g	NO	-67 TO +325
3056F7	200 mV/g	NO	-67 TO +325
3056F8	500 mV/g	NO	-67 TO +325
3056F2T	5 mV/g	YES	-67 TO +325
3056F3T	10 mV/g	YES	-67 TO +325
3056F4T	20 mV/g	YES	-67 TO +325
3056F5T	50 mV/g	YES	-67 TO +325
3056F6T	100 mV/g	YES	-67 TO +325
3056F7T	200 mV/g	YES	-67 TO +325
3056F8T	500 mV/g	YES	-67 TO +325



SECTION A-A
 180.00°

- MOUNTING RECOMMENDATION:**
PREPARE A .55 [14] X .55 [14] MIN SURFACE,
FLAT TO .001 TIR.
TAP 10-32 UNF-2B ▽.15 [3.8] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

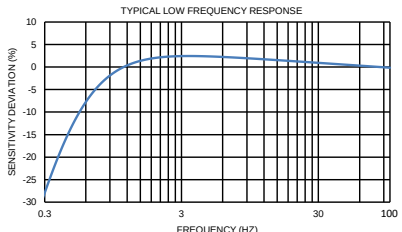
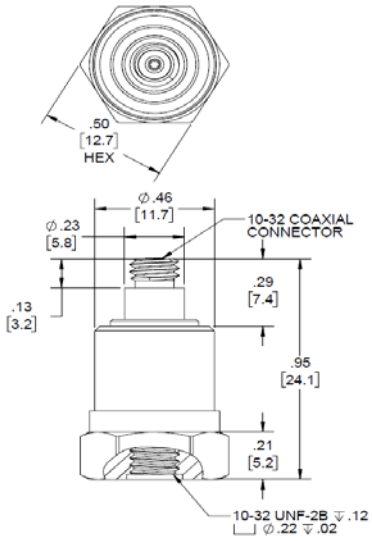
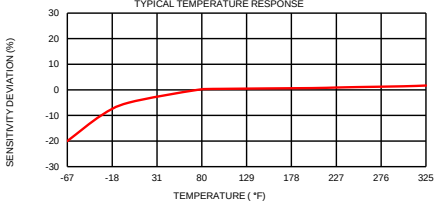
Chatsworth, CA

OUTLINE/INSTALLATION DRAWING, 3056 SERIES

REV
A

SHEET 1 OF 1

1. MATERIAL: TITANIUM ALLOY
NOTES: UNLESS OTHERWISE SPECIFIED

Model Number 3056F6		PERFORMANCE SPECIFICATIONS				DOC NO PS3056F6																																				
		IEPE ACCELEROMETER				REV B, ECN 17467, 06/10/24																																				
		• HIGH TEMPERATURE • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • BASE ISOLATED																																								
		ENGLISH		SI																																						
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		0.35		oz	10.0		grams																																			
		10-32			10-32																																					
		10-32 X .150 ↓			10-32 X .150 ↓																																					
		Titanium			Titanium																																					
		Ceramic			Ceramic																																					
		Planar Shear			Planar Shear																																					
PERFORMANCE Sensitivity, ±5% [2] Range for ± 5 Volts Output Frequency Response, ±5% Frequency Response, ±10% Resonant Frequency Broad Band Resolution Linearity [3] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		100		mV/g	10.20		mV/m/s ²																																			
		50		g pk	490		m/s ² pk																																			
		1 to 5,000		Hz	1 to 5,000		Hz																																			
		1 to 10,000		Hz	1 to 10,000		Hz																																			
		> 35		kHz	> 35		kHz																																			
		0.0003		g RMS	0.0029		m/s ² RMS																																			
		± 1		% F.S.	± 1		% F.S.																																			
		5		%	5		%																																			
		0.002		g/µε	0.02		m/s ² /µε																																			
ENVIRONMENTAL Maximum Shock Temperature Range Seal		1,000		g pk	9800		m/s ² pk																																			
		-67 to +325		°F	-55 to +163		°C																																			
		Hermetic			Hermetic																																					
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		2 to 20		mA	2 to 20		mA																																			
		+18 to +30		Volts	+18 to +30		Volts																																			
		100		Ω	100		Ω																																			
		+9 to +14		VDC	+9 to +14		VDC																																			
		0.5 to 1.5		Sec	0.5 to 1.5		Sec																																			
		10.0		GΩ, min	10.0		GΩ, min																																			
		This family also includes:																																								
		<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response, ±10% (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3056F2</td><td>5</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F3</td><td>10</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F4</td><td>20</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F5</td><td>50</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F7</td><td>200</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3056F8</td><td>500</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr></table>						Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (°F)	3056F2	5	1 to 10,000	0.5 to 1.5	-67 to +325	3056F3	10	1 to 10,000	0.5 to 1.5	-67 to +325	3056F4	20	1 to 10,000	0.5 to 1.5	-67 to +325	3056F5	50	1 to 10,000	0.5 to 1.5	-67 to +325	3056F7	200	1 to 10,000	0.5 to 1.5	-67 to +325	3056F8	500	1 to 10,000	0.5 to 1.5	-67 to +325
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3056F8	500	1 to 10,000	0.5 to 1.5	-67 to +325																																						
		Refer to the performance specifications of the products in this family for detailed description																																								
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6200 Mounting Stud, QTY 1																																								
		Notes: [1] All specifications are at room temperature unless otherwise specified. [2] Measured at 100 Hz [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] In the interest of constant product improvement, we reserve the right to change specifications 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																								
																																										
																																										
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3056 for more information.																																								



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