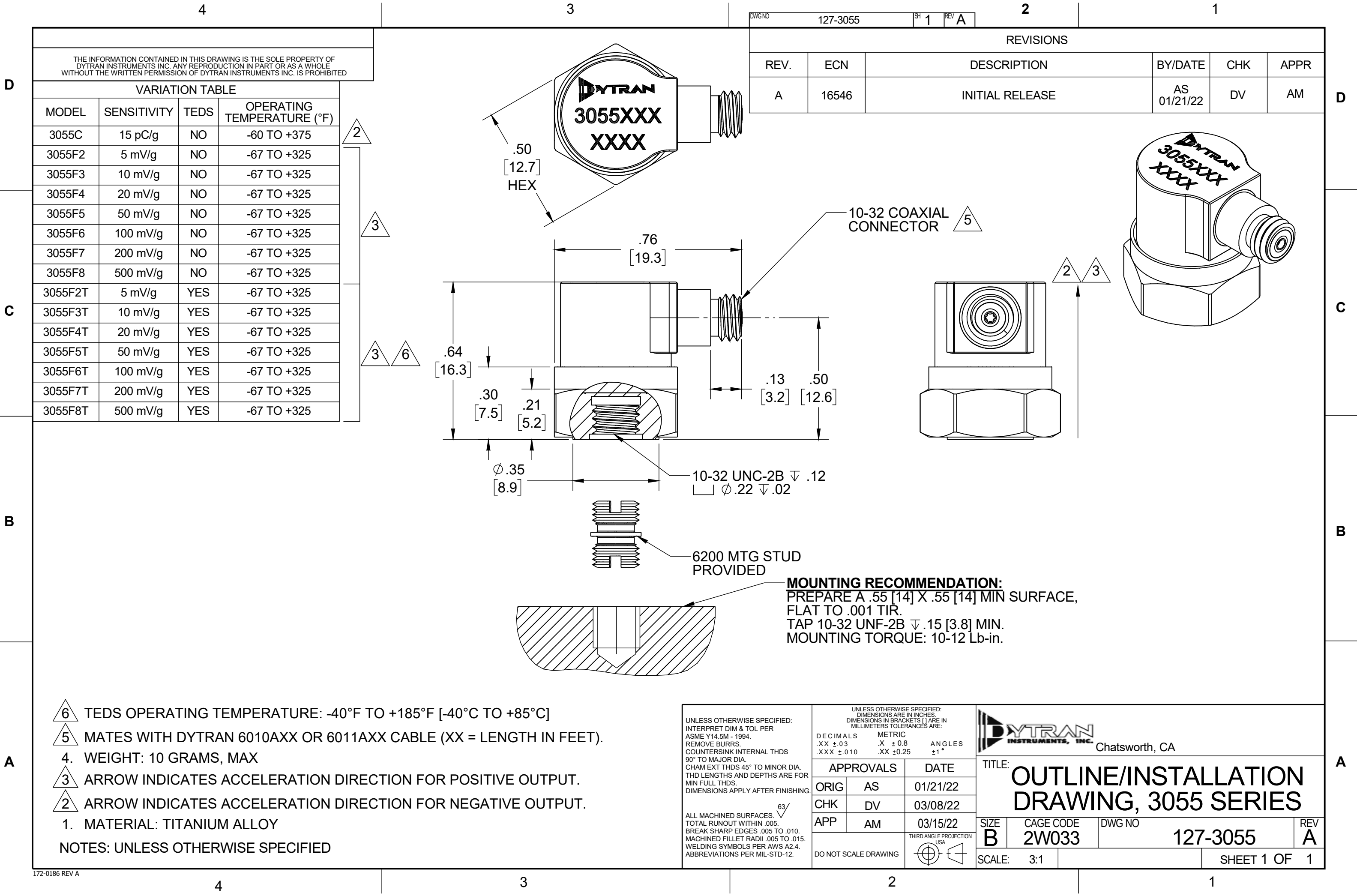
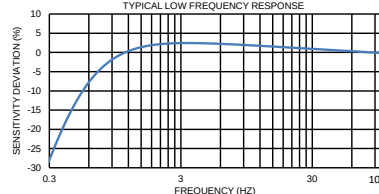
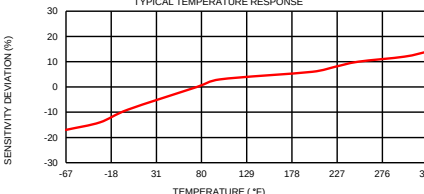
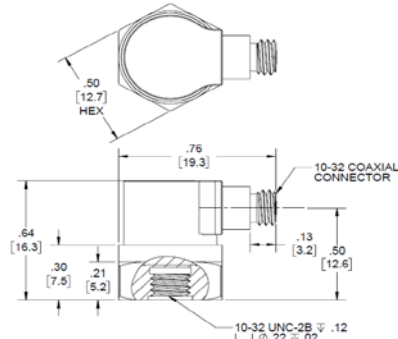




Model Number 3055F3T	PERFORMANCE SPECIFICATIONS				DOC NO PS3055F3T																																			
IEPE ACCELEROMETER					REV B, ECN 17467, 06/10/21																																			
	• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • TEDS FEATURE																																							
	ENGLISH		SI																																					
	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																																					
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style	Type Tapped Hole																																							
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																																								
	10	mV/g	1.02	mV/m/s ²																																				
	500	g pk	4,900	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																																				
	0.0015	g RMS	0.0147	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 TEDS Operating Temperature Range Seal																																								
	1,000	g pk	9800	m/s ² pk																																				
	-67 to +325	°F	-55 to +163	°C																																				
	-40 to +185	°F	-40 to +85	°C																																				
	Hermetic		Hermetic																																					
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation TEDS Feature																																								
	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	GΩ, min	10	GΩ, min																																				
	IEEE 1451.5		IEEE 1451.5																																					
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>3055F2T</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>3055F4T</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>3055F5T</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>3055F6T</td><td>100</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr> <tr> <td>3055F7T</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>3055F8T</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)	3055F2T	5	1 to 10,000	0.5 to 1.5	-67 to +325	3055F4T	20	1 to 10,000	0.5 to 1.5	-67 to +325	3055F5T	50	1 to 10,000	0.5 to 1.5	-67 to +325	3055F6T	100	1 to 10,000	0.5 to 1.5	-67 to +325	3055F7T	200	1 to 10,000	0.5 to 1.5	-67 to +325	3055F8T	500	1 to 10,000	0.5 to 1.5	-67 to +325
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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 127-3055 for more information.																																								

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