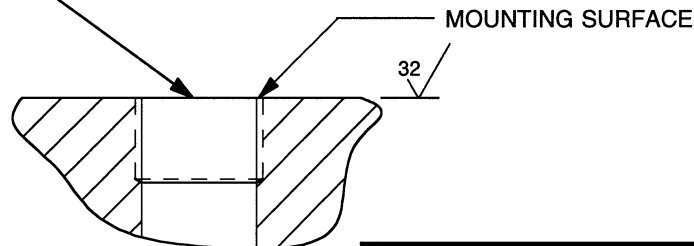


#### MOUNTING PREPARATION

PREPARE FLAT SURFACE (TO .001 TIR)  
OVER 2.00 MIN DIAMETER AREA.  
DRILL 39/64 (Ø.609) THRU, AT CENTER  
TAP 11/16-12 UNS-2B X .430 MIN THREAD  
DEPTH



1. MATERIAL, HOUSING & CONNECTOR HOUSING:  
300 SERIES STAINLESS STEEL. TOP AND  
BOTTOM SURFACES, 17-4 PH ST. STEEL
2. WEIGHT - 460 GRAMS
3. TORQUE TO 20-25 LB-FT AT INSTALLATION  
USING WRENCH ON WRENCH FLATS ONLY.
4. DO NOT APPLY IMPACT LOADS TO FORCE  
SENSOR WITHOUT IMPACT CAP, MODEL 6217  
OR EQUIVALENT. CONSULT FACTORY FOR  
SPECIAL IMPACT CAPS FOR YOUR  
PARTICULAR APPLICATION.

#### EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES  
TOLERANCE: .XXX = ± .XX = ±

SURFACE FINISH  
EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR  
RADIUS OR CHAMFER

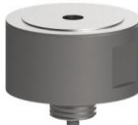
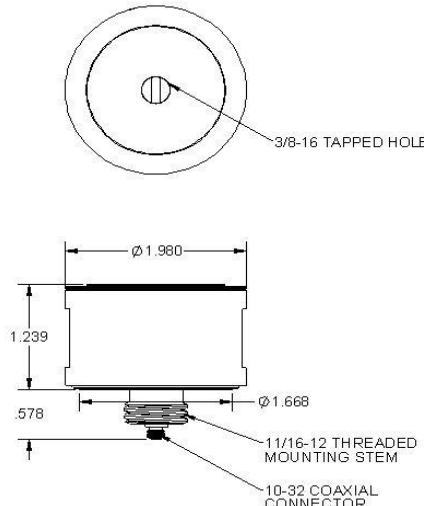

THESE DIAS TO T.I.R.

FILLETS - MAX RAD.



CHATSWORTH, CA.

SCALE	1X	REV	DATE	ECN		
DATE	8/19/96	PART NO.	1060V1 - 1060V6			
DRAWN	N.C.	CHECKED	D.Z.	MAT'L		
APPROVED		NEXT ASSEMBLY	USED ON			
TITLE					DWG NO.	
OUTLINE/INSTALLATION DRAWING FORCE SENSOR, SERIES 1060V					127-1060V	
					SHEET 1 OF 1	

Model Number 1060V2		PERFORMANCE SPECIFICATION				Doc No PS1060V2	
		Force Sensors, IEPE			REV A, ECN 12920, 08/23/16		
		<ul style="list-style-type: none"><li>• DYNAMIC FORCE SENSOR</li><li>• VOLTAGE MODE</li><li>• EXCELLENT LINEARITY</li></ul>					
		ENGLISH		SI			
PHYSICAL							
Weight, Max.		16.10	oz	460	grams		
Connector	Type	Coaxial		Coaxial			
	Thread	10-32		10-32			
Housing	Material	Stainless steel		Stainless steel			
	Isolation	Case grounded		Case grounded			
Sensing Element	Material	Quartz		Quartz			
	Mode	Compression		Compression			
PERFORMANCE							
Sensitivity, +/-10%		5	mV/Lb	1.12	mV/N		
Compression Range		1000	Lbs.Force	4448	N		
Maximum Compression , +/-5%		20000	Lbs.Force	88960	N		
Tension Range		1000	Lbs.Force	4448	N		
Maximum Tension [1], +/-5%		1000	Lbs.Force	4448	N		
Resolution		.014	Lb. RMS	0.06227	N RMS		
Linearity [2]		± 1	% Full Scale	± 1	% Full Scale		
Mounted Resonance (Unloaded)		≥ 75	kHz	≥ 75	kHz		
Stiffness		50	Lb/μin	8.66	kN/μm		
ENVIRONMENTAL							
Coefficient Of Thermal Sensitivity		0.03	%/°F	0.05	%/°C		
Operating Temperature		-100 to +250	°F	-73 to +121	°C		
Maximum Vibration		±3000	g's,Peak	±29400	m/s^2 Peak		
Maximum Shock		5,000	g's,Peak	49,000	m/s^2 Peak		
Environmental Seal		Epoxy		Epoxy			
ELECTRICAL							
Supply Current [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage		18 to 30	VDC	18 to 30	VDC		
Discharge Time Constant, Min.		300	Seconds	300	Seconds		
F.S. Output Voltage		5	Volts	5	Volts		
Output Impedance		100	Ω	100	Ω		
		<b>This family also includes:</b>					
		Model	Sensitivity (mV/Lb)	Range (LbsF) Compressive, Tensile	Max Force (LbsF) Compressive, Tensile	Discharge Time Constant (Sec)	
		1060V1	10	500, 500	10000, 1000	150	
		1060V3	1	5000, 1000	30000, 1000	1500	
		1060V4	0.5	10000, 1000	40000, 1000	2000	
		1060V5	0.2	25000, 1000	50000, 1000	2000	
		1060V6	0.1	50000, 1000	60000, 1000	2000	
		Refer to the performance specifications of the products in this family for detailed description					
		<b>Supplied Accessories:</b>					
		1) Accredited Calibration Certificate (ISO 17025)					
		2) MOD 6232 MOUNTING STUD					
		<b>Notes:</b>					
		[1] Absolute maximum tension. Do not exceed in any case!					
		[2] Percent of full scale or any lesser range, zero based best-fit straight line method.					
		[3] Power these instruments only with constant current type power units. Do not connect to a source of voltage without current limiting. This will destroy the integral IC amplifier.					
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-1060V for more information.					
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com					