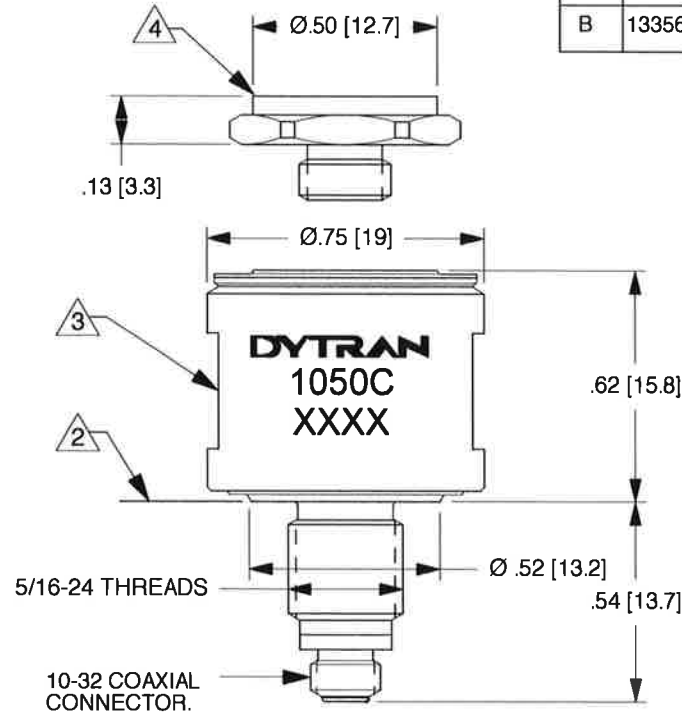


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11275	ADDED MARKING	MH 01/22/16	EM	LN
B	13356	SEE ECN	RA 03/17/17	LA	W



↓ SENSE & DIRECTION OF FORCE FOR NEGATIVE GOING CHARGE OUTPUT

DRILL "1" ($\varnothing 272$) THRU
TAP 5/16-24 UNF-2B X .360 [9.14] MIN
DEPTH PERFECT THREADS

- 4 MODEL 6210S IMPACT CAP. MATERIAL: 17-4 PH ST. STEEL, ROCKWELL C44-45 (SUPPLIED)
MODEL 6210A (ALUM ALLOY) ALSO AVAILABLE
- 3 WRENCH FLATS: 11/16 (.687) ACROSS FLATS X .31 HIGH.
- 2 IT IS IMPORTANT THAT BOTTOM SURFACE OF SENSOR BE IN INTIMATE CONTACT. INSPECT FOR BURRS, ETC.
- 1 PREPARE FLAT SURFACE OVER $\varnothing 62$ MINIMUM AREA BY GRINDING, SPOTFACING, LAPPING ETC. THIS AREA MUST BE FLAT WITHIN .001 TIR, TYP BOTH MODELS.

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.		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 ± 0.10 .XX ± 0.25		CONTRACT NO.	
USED ON	NEXT ASSY	MATERIAL	APPROVALS	DATE	
APPLICATION		FINISH	ORIG	N.C.	12/20/00
THIRD ANGLE PROJECTION USA			CHK	R.A.	12/20/00
			APP	PML	08/17/07
		DO NOT SCALE DRAWING	APP		

DYTRAN INSTRUMENTS, INC. CHATSWORTH, CA
MASTER ONLY IF IN RED

OUTLINE/INSTALLATION DRAWING, MODEL 1050C

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-1050C	B
SCALE	NONE	ASHLAR GRAPHITE	SHEET 1 OF 1



- DYNAMIC FORCE SENSOR
- CHARGE MODE
- EXCELLENT LINEARITY

PHYSICAL

Weight, Max.
Connector
Housing
Sensing Element

ENGLISH		SI	
1.12	oz	32	grams
Coaxial		Coaxial	
10-32		10-32	
Stainless steel		Stainless steel	
Case grounded		Case grounded	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, +/-15%
Working Compression Range
Maximum Compression
Maximum Tension [1]
Linearity [2]
Mounted Resonance (Unloaded)
Stiffness

-18	pC/Lb F	-4.05	pC/N
5000	Lbs.Force	22240	N
15000	Lbs.Force	66720	N
1000	Lbs.Force	4448	N
± 1	% F.S.	± 1	% F.S.
75	kHz	75	kHz
11.4	Lb/µin	1.97	kN/µm

ENVIRONMENTAL

Coefficient Of Thermal Sensitivity
Operating Temperature
Maximum Vibration
Maximum Shock
Environmental Seal

0.03	%/°F	0.05	%/°C
-100 to +500	°F	-73 to +260	°C
± 2500	g's,Peak	± 24500	m/s^2 Peak
10,000	g's,Peak	98,000	m/s^2 Peak
Welded/Epoxy		Welded/Epoxy	

ELECTRICAL

Capacitance, Nom
Insulation Resistance
F.S. Output Voltage

18	pF	18	pF
1.00E+12	Ω	1.00E+12	Ω
5	Volts	5	Volts

This family also includes:

Model	Sensitivity (mV/Lb)	Range (Lbs.Force)	Max.Force (Lbs.Force)	Oper. Temp(°F)

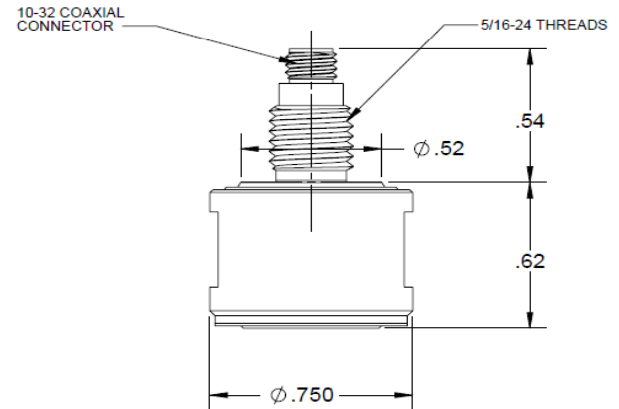
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025)
- 2) MOD 6210 STEEL IMPACT CAP
- 3) MOD 6204 1/4-28 MOUNTING STUD

Notes:

- [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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-1050C for more information.

