

Model Number DOC NO PERFORMANCE SPECIFICATIONS 3603A2T PS3603A2T IEPE TRIAXIAL ACCELEROMETER REV A, ECN 12279, 04/16/18



MECHANICALLY & ELECTRICALLY FILTERED

- GROUND ISOLATED
- TEDS FUNCTION
- EXCELLENT LINEARITY

ENGLISH

This family also include	nis family also includes:			
Model	Sensitivity (mV/g)	Freq Response (Hz), ±3dB	Time Constant (Sec)	Operating Temp (°F)
3603A1T	1	0.3 to 5000	0.5 to 2.0	-10 to 250
3603A3T	10	0.3 to 5000	0.5 to 2.0	-10 to 250

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

PHYSICAL

Weight, Max. Mounting Provision Tapped hole Connector [1] Type Material Housing Material

Isolation

Sensing Element Element Style

PERFORMANCE

Sensitivity, ±10% [2] Range for ± 5 Volts Output Frequency Response, ± 3dB Resonant Frequency Broad Band Resolution Linearity [3] Maximum Transverse Sensitivity Strain Sensitivity @ 250με

ENVIRONMENTAL

Maximum Vibration Maximum Shock Operating Temperature Range Seal

ELECTRICAL

Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation TEDS Feature [5]

HERMETICALLY SEALED	

1.05 ΟZ grams

10-32 UNF-2B 4-pin Titanium Titanium Case Isolated Single Crystal Planar Shear

30	
10-32 UNF-2B	
4-pin	
Titanium	
Titanium	
Case Isolated	
Single Crystal	
Planar Shear	

0.5

SI

5	mV/g
± 1,000	g peak
0.3 to 5000	Hz
> 25	kHz
0.02	g rms
± 1	% F.S.
6	%
0.002	g/με

g peak	± 9810	m/s
Hz	0.3 to 5000	Hz
kHz	> 25	kHz
g rms	0.20	m/s ² rms
% F.S.	±1	% F.S.
%	6	%
g/με	0.02	m/s²/με
		<u>-</u> '

g peak
g peak
°F

ak	19620	m/s² peak
ak	29430	m/s² peak
	-51 to 121	°C
	Hermetic	

mA	2 to 20
Volts	+18 to +30
Ω	100
VDC	+7.0 to +11.5
Sec	0.5 to 2.0
GΩ,m	10
	IEEE 1451.4

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2 to 20	mA
+18 to +30	Volts
100	Ω
+7.0 to +11.5	VDC
0.5 to 2.0	Sec
10	GΩ,mi
IEEE 1451.4	

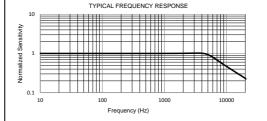
Supplied Accessories:

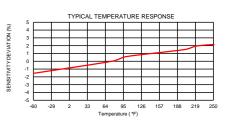
1) Accredited calibration certificate (ISO 17025)

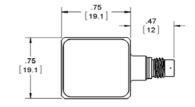
2) Mounting stud model 6200, (10-32 to 10-32).

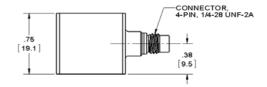
mV/m/s2

- [1] Glass to metal seal connector. Mates with Dytran cable Model 6811AXX (XX=length in feet).
- [2] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [3] Measured 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 amplifier.
- [5] TEDS operational temperature: -40° F to +185° F [-40° C to +85° C]
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.









Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3603A1T for more information.

