

MODEL NUMBER
3274A2

PERFORMANCE SPECIFICATION

DOC NO.
PS3274A2

ACCELEROMETER, IEPE

REV D. ECN 13008, 10/27/16



- MINIATURE SIZE
- REMOVABLE CABLE WITH 10-32 CONNECTOR
- HERMETICALLY SEALED

				<u></u> .	
		ENGLISH		SI	
PHYSICAL					
Weight, Max	(Less Cable)	0.07	oz	2	grams
Mounting Provision		[1]		[1]	
Connector	Radially Mounted	3-56		3-56	
Cable Length		36	Inches	914	mm
Case Material		Titanium		Titanium	
Isolation Cup Material		Anodized Aluminum		Anodized Aluminum	
Sensing Element	Material	Quartz		Quartz	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity, ± 10% [3]		10	mV/g	1.02	mV/m/s ²
Range F.S For ± 5 Volts Out		± 500	g's	± 4905	m/s ²
Frequency Response, +/- 10%		1.1 to 10000	Hz	1.1 to 10000	Hz
Mounted Resonant Frequency		> 40	kHz	> 40	kHz
Amplitude Non-Linearity [4]		2	%F.S	2	%F.S
Transverse Sensitivity, Max		5	%	5	%
Noise Resolution		0.007	grms	0.07	m/s ² rms
Strain Sensitivity @250/με		0.04	g/με	0.39	m/s²/με
ENVIRONMENTAL					
Maximum Vibration		600	Grms	5880	m/s ² rms
Maximum Shock		5000	Gpeak	49000	m/s ² peak
Temperature Range		-60 to +250	°F	-51 to +121	°C
Environmental Seal		Hermetic		Hermetic	
ELECTRICAL					
Supply Current/Compliance Vol	tage Range [5]	2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
Output Impedance, TYP	ago . tango [o]	100	Ω	100	Ω
Bias Voltage		+7 to + 9	VDC	+7 to + 9	VDC
Dias voltage		., .0 . 3	¥ D O	., 10 . 3	*200

0.3 to 0.8

IEEE 14514

10

Sec

GΩ

0.3 to 0.8

IEEE 14514

10

EFE				REV D, ECN 13000, 10/27/10					
This family also includes:									
Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC				
3274A1	5	1000	0.014	-60 to +250	0.3 to 0.8				
3274A3	25	200	0.0009	-60 to +225	0.3 to 0.8				

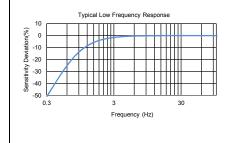
Refer to the performance specifications of the products in this family for detailed description.

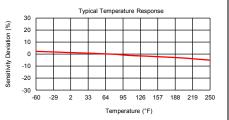
Supplied Accessories

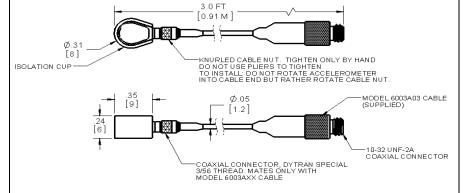
- 1) Model 6591A installation wrench
- 2) Model 6298 small petro mounting wax
- 3) Accredited calibration certificate (ISO 17025)
- 4) Model 6003A03 cable assembly

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran cable 6003AXX (XX is cable length in feet)
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier







Jnits on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3274A for more information



Discharge Time Constant Teds Feature

Case Isolation

Sec

GΩ