
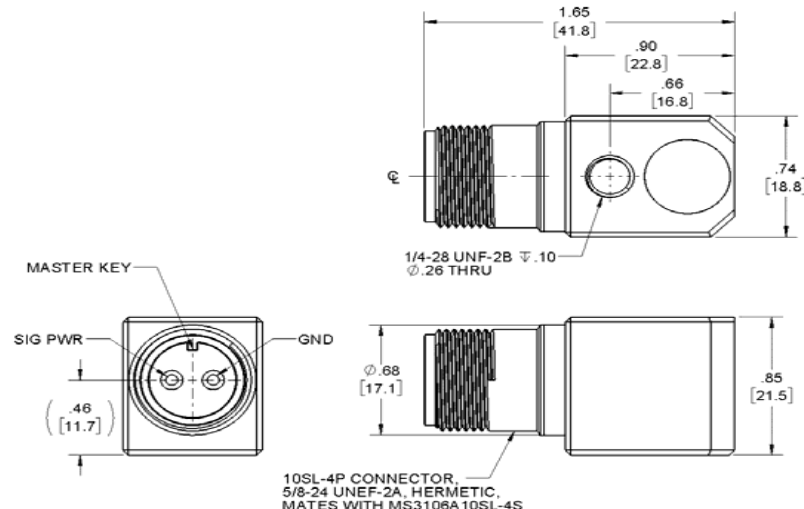



Model Number 3059A		PERFORMANCE SPECIFICATIONS				DOC NO PS3059A				
		IEPE ACCELEROMETER				REV C, ECN 15841, 07/13/20				
		<ul style="list-style-type: none">• HERMETICALLY SEALED• HIGH SENSITIVITY				This family also includes:				
						Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating 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) 6184 Mounting Bolt										
Notes:										
[1] Measured at 100 Hz, 1 Grms per ISA RP 37.2.										
[2] Measured using zero-based straight line method, % of F.S. or any lesser range.										
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.										
[4] 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 overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.										
PHYSICAL		ENGLISH		SI						
Weight, Max	Type	2.59	oz	74.0	grams					
Connector	Thru Hole	2 PIN, MIL 10SL- 4P		2 PIN, MIL 10SL- 4P						
Mounting Provision		1/4-28 UNF-2B		1/4-28 UNF-2B	mm					
Material, Housing/Connector		300 Series S.S.		300 Series S.S.						
Sensing Element	Ceramic	Shear		Shear						
PERFORMANCE										
Sensitivity, ±10% [1]		100	mV/g	10	mV/m/s ²					
Range for ± 5 Volts Output		50	g pk	491	m/s ² pk					
Frequency Response, ±3dB		0.3 - 8,000	Hz	0.3 - 8,000	Hz					
Resonant Frequency		21	kHz	21	kHz					
Broad Band Resolution, Max		0.0006	g rms	0.006	m/s ² rms					
Linearity [2]		2	% F.S.	2	% F.S.					
Maximum Transverse sensitivity		5	%	5	%					
Strain Sensitivity @ 250µε		0.001	g/µε	0.01	m/s ² /µε					
ENVIRONMENTAL										
Maximum Vibration		350	g pk	3434	m/s ² peak					
Maximum Shock		3000	g pk	29430	m/s ² peak					
Temperature Range		-60 to +250	°F	-51 to +121	°C					
Seal		Hermetic		Hermetic						
ELECTRICAL										
Supply Current Range [3]		2 to 20	mA	2 to 20	mA					
Compliance Voltage Range		+20 to +30	Volts	+20 to +30	Volts					
Output Impedance, Nom.		200	Ω	200	Ω					
Bias Voltage		11 to 13	VDC	11 to 13	VDC					
Discharge Time Constant		0.5 to 1.2	Sec	0.5 to 1.2	Sec					
Electrical Isolation		10	MΩ,min	10	MΩ,min					
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3059A for more information.										



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