

MODEL NUMBER 3053M10	PERFORMANCE SPECIFICATION						ос NO. PS3053M10	
		ACCELEROMETER, IEPE			REV F, ECN 15403, 11/08		5403, 11/08/1	
	This family also includes:							
~			Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC
	 TRIAXIAL ACCELEROME 	ETER						
1	HERMETICALLY SEALED INTERNALLY CASE GROUND ISOLATED		Please refer to the ner	rformance specificatio	ns of the product	ts in this family for de	tailed description	
			Please, refer to the performance specifications of the products in this family for detailed description. Supplied Accessories					
		1) Model 6200 mounting stud 10 - 32 UNF - A2.						
		Notes:						
		[1] Case ground isolation is achieved by internal means.						
			[2] Connector mates w	rith Dytran cable asser	mblies. Model 68	11AXX AND 6824A>	X. (XX = length in	feet)
			[3] Sensitivity measure	ed at 100 Hz. 1 grams	per ISA RP 37.2.			
	ENGLISH	SI	[4] Measured using zer				range.	
IYSICAL			[5] Positive in motion in				0	
eight	0.26 oz	7.5 grams	[6] Do not apply power	to this device without	current limiting,	20 mA MAX.		
ounting [1]	10-32 Tapped hole	10-32 Tapped hole		y the integral IC ampli				
nnector [2]	4-Pin	4-Pin	[7] In the interest of constant product improvement, we reserve the rights to change the specifications					
terial	Titanium Alloy	Titanium Alloy	without notice. It is the					
			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,					
RFORMANCE								
nsitivity, ± 5% [3]	10 mV/g	1.02 mV/ m/s ²	including typical param	neters, must be validat	ted for each custo	omer application by t	the customer's tech	nnical experts
nge F.S. (each axis)	10 mV/g ± 500 g	± 4900 m/s ²					FREQUENCY RESPON	
equency Response, ± 10%	1.1 to 5000 Hz	1.1 to 5000 Hz				ITFICAL LOW	FREQUENCI RESPON	ISE
prmal Frequency, NOM	30 kHz	30 kHz	-	.8	22 0 .88]			
uivalent Electrical Noise Floor	0.007 g rms	0.0686 m/s ² rms		000	.88 [[%]10			
hearity [4]	± 1% %F.S	± 1% %F.S	[12	2.70]	tion			
ansverse Sensitivity, Max.	5%	5%			-20 6			
gnal Polarity	[5]	[5]	.500		⊡ ≵ -30	/		
			[12.70]		isitivi 40			
					Ser			
VIRONMENTAL					-50			
ximum Vibration	± 600 g	± 5880 m/s ² pk			0.		20 equency (Hz)	
ximum Shock	5000 ±gpk -60 to +250 °F	49000 ± m/s ² pk						
nperature Range	-60 to +250 °F Hermetic	-51 to 121 °C			10	TYPICAL	PHASE RESPONSE	
al pefficient Of Thermal Sensitivity	0.03 %/°F	Hermetic 0.054 %/°C	.525					
encient of memai Sensitivity	0.03 70/1	0.034 767 C	[13.34]	345 [8.76]	Shift (degrees) 0 5			
					egre			
ECTRICAL				4	0 # (q			
pply Current [6]	2 to 20 mA	2 to 20 mA			Ч			American and a second
mpliance Voltage Range	18 to +30 V	18 to +30 V			-5 Bhase			
tput Impedence TYP	100 Ω	100 Ω			Ę.	· · · · · · · · · · · · · · · · · · ·		
as Voltage	7 to 9 VDC	7 to 9 VDC			-10			rannon Vonnoon
scharge Time Constant	0.3 to 1.0 sec	0.3 to 1.0 sec				2	20	
ound Isolation	10 MΩ	10 MΩ					requency (Hz)	
			Units on the line drawing are i	in inches, units in brackets a	re in millimeters. Refe	r to 127-3053M10 for more	e information.	



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