

FOG INERTIAL MEASUREMENT UNIT

U183 / U183M



GYROSCOPES PERFORMANCE

Input range	°/s	300	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.03	white noise PSD
Magnetic response	°/h/Gauss	3 / 0.1	typical

ACCELEROMETERS PERFORMANCE

Range	g	10
Bias stability	mg	0.2
Bandwidth	Hz	250

ELECTRICAL INTERFACE

Initialization	s	< 1	
Powering	W	2	+5V
Data rate	kHz	4	default
Baud rate	kBd	921.6	RS422, asynchronous

ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	6	20 Hz... 2000 Hz
Shocks	g	350	1 ms half-sine

PHYSICAL PARAMETERS

Dimensions	mm	Ø46 x 111	ISO 2768-m
Weight	gram	200 / 300	
Volume	cl (in ³)	18.4 (11.2)	
Frame resonance	kHz	2	
Housing		Al alloy / μ-metal	

PROVISIONAL DATASHEET