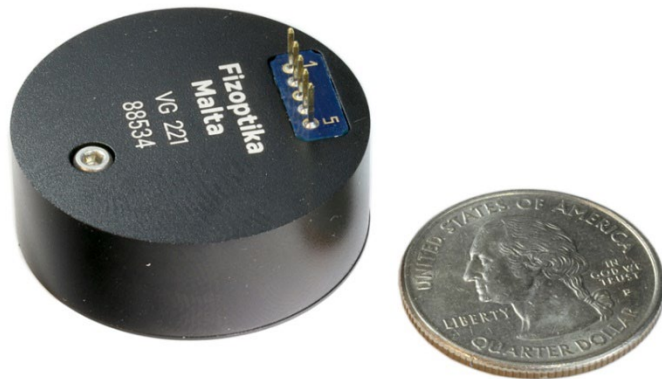


FIBER OPTIC GYROSCOPE

VG221 / VG221-MS



PROVISIONAL DATASHEET

PERFORMANCE

Input range	°/s	400	for info
Bias, RMS	°/h	3 / 1	Allan variance min
ARW	°/√h	0.05	white noise PSD
Bandwidth	kHz	1	2 nd order LPF
SF, RMS	%	0.03	day-to-day
Magnetic response	°/h/Gauss	4 / 0.1	typical

ELECTRICAL INTERFACE

Start-up	s	0.05	
Powering	W	0.3	+5V

ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	12	20 Hz... 2000 Hz
Shocks	g	750	1 ms half-sine
		1 200	optional

PHYSICAL PARAMETERS

Dimensions	mm (in)	Ø33 x 12 (Ø1.3 x 0.47)	ISO 2768-m
Volume	cl (oz)	1 (1/3)	
Weight	gram	15 / 25	est
Housing		Al alloy / μ-metal	

RELIABILITY

MTBF	h	150 000	humidity conditions applied
Lifetime	yr	15	humidity conditions applied

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Provisional Datasheet

Jul 2023

Fizoptika Malta reserves the right to change the design or specifications at any time without prior notice. All pictures shown are for illustration purpose only. The actual product may vary due to the ongoing product enhancement.