

FIBER OPTIC GYROSCOPE

VG221 / VG221-MS



PROVISIONAL DATASHEET

PERFORMANCE

Input range	°/s	400	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.05	white noise PSD
Bandwidth	kHz	1	2nd 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)	Ø33x12 (Ø1.3x0.5)	ISO 2768-m
Volume	cl (oz)	1 (1/3)	
Weight	gram	15 / 20	est
Housing		Al alloy / μ-metal	

RELIABILITY

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

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