

FIBER OPTIC GYROSCOPE

VG2103S



PROVISIONAL DATASHEET

PHYSICAL PARAMETERS

Dimensions	mm	60 x 60 x 17 Ø55 x 17	ISO 2768-m option, no flanges
Weight	gram	80	
Frame resonance	kHz	2+	estimated
Housing		Al alloy	IP67

PERFORMANCE

Input range	°/s	350	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.02/ 0.07	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.02	day-to-day
Magnetic response	°/h/Gauss	2	typical (non-shielded)

ELECTRICAL INTERFACE

Start-up	s	0.03	
Powering	W	0.5	+5V

ENVIRONMENT

Operating temperature	°C	-40...+70	
		-40...+85	option VG2103S-T85
		-40...+125	option VG2103S-T125
Endurance temperature	°C	-55...+85	2h+, non-operating
Vibration, RMS	g	18	20 Hz... 2000 Hz
Shocks	g	1 200	1 ms half-sine
		3 000	option

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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