



FIBER OPTIC GYROSCOPE

VG103SD / VG103S-2LND



PHYSICAL PARAMETERS

Dimensions	mm	Ø55 x 17	ISO 2768-m
Weight	gram	40	
Housing		hard plastic	IP67

* With magnetic shield

PERFORMANCE

Input range	°/s	450 / 200	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.015 / 0.007	white noise PSD
Bandwidth	kHz	1	
SF, RMS	%	0.02	day-to-day
Magnetic response	°/h/Gauss	1 (0.03*)	typical

ELECTRICAL INTERFACE

Data rate	kHz	8	RS422 (920kBd)
Initialization	s	0.03	
Powering	W	0.5	+5V

ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	18	20 Hz... 2000 Hz
Shocks	g	350	1 ms half-sine

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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