



FIBER OPTIC GYROSCOPE

VG103S-4LND*



PHYSICAL PARAMETERS

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

* Fiber length - 400 m

PERFORMANCE

Input range	°/s	100	for info
Bias, RMS	°/h	0.1	Allan variance min
ARW	°/√h	0.003	white noise PSD
Bandwidth	kHz	1	
SF, RMS	%	0.02	day-to-day

ELECTRICAL INTERFACE

Data rate	kHz	8	RS422 (920kBd)
Initialization	s	0.03	
Powering	W	0.7	+5V

ENVIRONMENT

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

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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Datasheet

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