



FIBER OPTIC GYROSCOPE

VG103F1*



PHYSICAL PARAMETERS

Dimensions	mm	63 x 63 x 22	ISO 2768-m
Weight	gram	60	
Housing		plastic	IP67

* Fiber length: 100 m

PERFORMANCE

Input range	°/s	600	for info
Bias, RMS	°/h	0.5	Allan variance min
ARW	°/√h	0.02	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.01	day-to-day

ELECTRICAL INTERFACE

Start-up	s	0.05	
Powering	W	0.5	+5V

ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS		18	20 Hz... 2000 Hz
Shocks		750	1 ms half-sine

RELIABILITY

MTBF	h	100 000	humidity conditions applied
Lifetime	yr	15	humidity conditions applied

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Datasheet

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