



FIBER OPTIC GYROSCOPE

VG1703



PHYSICAL PARAMETERS

Dimensions	mm	∅40 x 19	ISO 2768-m
Weight	gram	35	
Housing		aluminum alloy	anodizing

* With magnetic shield

PERFORMANCE

Input range	°/s	130	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.008	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.02	day-to-day
Magnetic response	°/h/Gauss	3 (0.03*)	typical

ELECTRICAL INTERFACE

Start-up	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	30	20 Hz... 2000 Hz
Shocks	g	1 200	1 ms half-sine
		3 000	optional

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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