



FIBER OPTIC GYROSCOPE

VG1703S / VG1703SPE



PHYSICAL PARAMETERS

Dimensions	mm	Ø40 x 12	ISO 2768-m
Weight	gram	20 / 18	
Housing		Al / Al & plastic	

PERFORMANCE

Input range	°/s	160 / 300	for info
Bias, RMS	°/h	1	Allan variance min
ARW	°/√h	0.01 / 0.025	white noise PSD
Bandwidth	kHz	1	2nd order LPF
SF, RMS	%	0.02	day-to-day

ELECTRICAL INTERFACE

Start-up	s	0.03	
Powering	W	0.5 / 0.25	+5V

ENVIRONMENT

Operating temperature	°C	-40...+70	
Endurance temperature	°C	-55...+85	> 2 h, non-operating
Vibration, RMS	g	12	20 Hz... 2000 Hz
Shocks	g	350	3 ms half-sine

RELIABILITY

MTBF / Lifetime	yr	15 / 30	humidity conditions applied
-----------------	----	---------	-----------------------------