



FIBER OPTIC GYROSCOPE

VG091A-2LN / VG091A-2LN-MS



PHYSICAL PARAMETERS

Dimensions	mm	∅25 x 52	ISO 2768-m
Weight	gram	30 / 50	
Housing		Al alloy / μ-metal	IP67

PERFORMANCE

Input range	°/s	60	for info
Bias, RMS	°/h	2	Allan variance min
ARW	°/√h	0.02	white noise PSD
Bandwidth	kHz	1	
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	18	20 Hz... 2000 Hz
Shocks	g	750 / 350	1 ms half-sine

RELIABILITY

MTBF / Lifetime	yr	15	humidity conditions applied
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