



FIBER OPTIC GYROSCOPE VG095D

DATASHEET

model 2015	0.03 °/vh RS 232/ 422 Diagnostics
series 2000	60 x 26 x 35 mm
technology 1990	Open-loop 40 μ fiber Jointless



fundamentally
1914

FREE
of

- bias jumps
- g, g^2 errors
- dead zones
- cross axis errors
- day-to-day bias errors



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	Unit	Value	Comments
MAIN PARAMETERS			
Input range	°/s	330	for info
Transmission rate	kBd	115/920	RS 232/422 (repetition 1.2 kHz/4.8kHz),
ARW	°/√h	0.03	white noise PSD
Bias, RMS	°/h	3	Allan variance min day-to-day
SF, RMS	%	0.02	day-to-day
Start-up	s	1	90% of SF
Powering	W	0.8	+5V
PHYSICAL PARAMETERS			
Dimensions	mm	60 x 26 x 35	ISO 2768-m tolerance
Weight	gram	70	approx.
Volume	cl	5	
Housing material		aluminum alloy	anodizing
Ingress protection class		IP67	
ENVIRONMENT			
Operating temperature	°C	-40...+70	built-in sensor
Endurance temperature	°C	-55...+85	> 2 h, non -operating
Vibration, RMS	g	12	20 Hz... 2000 Hz
Shocks	g	350	1 ms half-sine
RELIABILITY			
MTBF	h	100 000	humidity conditions applied
Lifetime	yr	15	

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