



FIBER OPTIC GYROSCOPE

VG103S-4LN*



PHYSICAL PARAMETERS

| | | | |
|------------|------|----------|------------|
| Dimensions | mm | Ø55 x 17 | ISO 2768-m |
| Weight | gram | 40 | |
| Housing | | plastic | IP67 |

* Fiber length - 400 m

PERFORMANCE

| | | | |
|-------------|------|-------|--------------------|
| Input range | °/s | 50 | for info |
| Bias, RMS | °/h | 0.1 | Allan variance min |
| ARW | °/√h | 0.003 | 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 | +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 / Lifetime | yr | 15 | humidity conditions applied |
|-----------------|----|----|-----------------------------|

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Datasheet

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