

Features

- * High Precision
- * High spectral density
- * Small mean-wavelength variation
- * Excellent power stability
- * Highly reliable and stable
- * Low power consumption
- * Compact package size

Applications

- * Optical fiber characterization
- * Optical measurement system
- * Fiber optic sensing
- * Fiber Optic Gyroscope

Description

GIP Technology FOG ASE Light Sources Module (LIS-FASE-00-00-M). It is based on the principle of Amplified Spontaneous Emission (ASE) that emit broadband spectrum in the C-band. These products can provide high powered, reliable and stable ASE light source that are suitable for the high precision Fiber Optic Gyroscope (FOG).



The low-profile package provides solutions for multiple applications and serving area sizes.



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Specifications

Optical Information		Unit	Description
Operating wavelength		nm	1525 ~ 1535
Bandwidth @ 3dB	Typ.	nm	5
Total output power	Min.	dBm (mW)	+8.0 (6.3)
Mean-wavelength variation* ¹	Typ.	ppm	18
Output power variation* ¹	Typ.	%	1.2
Output power stability* ²	Typ.	%	0.5
Return loss	Min.	dB	45
Fiber type		dBm	SMF-28
Fiber length		dB	1.0
Connector		dBm	None
Electrical Information			
Operating voltage		Vdc	5 ± 0.25
Control mode			APC
Power consumption* ¹	Max.	W	3.0
Environmental Information			
Ambient temperature		°C	-20 ~ 60
Storage temperature		°C	-20 ~ 80
Relative humidity (non-condense)		%	5 ~ 85 (operating)
Mechanical Information			
Dimension, with flange		mm	φ 98 x 30

*1. Measured at maximum output power and full temperature range, 14hrs

*2. Measured at 25°C, 1 hour after 30 minutes warm up