

Features

- * All-fiber technology
- * Wide wavelength range
- * High optical output power
- * Excellently stable and reliable
- * Customized requirements

Applications

- * Optical components testing
- * Optical fiber characterization
- * Optical measurement system
- * Fiber optic sensing

Description

GIP Technology L-band ASE Broadband Light Source Module (LIS-LASE-00-00-M). It provides a stable optical output in the wavelength range that covers L-band. Based on proprietary all-fiber technology, they have been designed as a robust, compact, and reliable laser sources with actively air-cooled and maintenance-free operation. This module is useful in applications for DWDM systems, sensor systems, and components characterization.



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	1570~1605		
Total output power	Min.	mW	20	40	100
Power density	Min.	dBm/nm	-9	-6	-2
Output power short-term stability * 1	Max.	dB	± 0.005		
Output power long-term stability * 2	Max.	dB	± 0.02		
Return loss	Min.	dB	45		
Fiber type			SMF-28 with 900µm tube		
Fiber pigtail length	Typ.	M	1.0		
Connector			SC or FC		
Electrical Information					
Operating voltage		VDC	3.3 ± 0.2 or 5 ± 0.25		
Control interface			RS232		
Environmental Information					
Case temperature		°C	0 ~ 60		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Mechanical Information					
Dimension (W x L x H)			70 x 90 x 20		

*1. Measured at 25°C, 5 minutes after 30 minutes warm up

*2. Measured at 25°C, 8 hours after 30 minutes warm up