

## Features

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

## Applications

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

## Description

**GIP Technology** C-band ASE Broadband Light Source Module (LIS-CASE-00-00-M). It provides a stable optical output in the wavelength range that covers C-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.



### **GIP Technology Corporation**

6F., No. 112, Xinmin St., Zhonghe Dist.,  
New Taipei City 235, Taiwan (R.O.C.)  
T:+886-2-8226-7855 [www.giptek.com](http://www.giptek.com)  
F:+886-2-8226-7955 [sales@giptek.com](mailto:sales@giptek.com)

## Specifications

Optical Information		Unit	Description		
Operating wavelength		nm	1528~1563		
Total output power	Min.	mW	20	40	100
Power density	Min.	dBm/nm	-7	-4	0
Output power short-term stability <sup>* 1</sup>	Max.	dB	± 0.005		
Output power long-term stability <sup>* 2</sup>	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 15		

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

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