

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 C-band ASE Broadband Light Source unit (LIS-CASE-00-00-U). 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.



The bench-top package size serves the area size, can be used in the components or sub-assembly manufacturing as well as research and development (R&D) environments.



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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* ¹	Max.	dB	± 0.005		
Output power long-term stability* ²	Max.	dB	± 0.02		
Return loss	Min.	dB	45		
Fiber type			SMF-28		
Connector			SC or FC		
Electrical Information					
Operating voltage		Volt	-48VDC or 100~240 VAC		
LS ON/OFF switch			Key type		
Control interface			RS232		
Environmental Information					
Ambient temperature		°C	0 ~ 45		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Mechanical Information					
Dimension			19" and 23" 1-RU rack, or Bench-Top		

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

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