C+L-band ASE Broadband Light Source Unit
LIS-CLASE-00-00-U

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+L-band ASE Broadband Light Source Unit (LIS-CLASE-00-00-U) is the broadband light source. It provides a stable optical output in the wavelength range that covers C+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 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	1528~1605		
Total output power	Min.	mW	40	80	200
Power density	Min.	dBm/nm	-12	-9	-5
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℃, 5 minutes after 30 minutes warm up

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