

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 1.0um ASE Broadband Light Source Unit (LIS-YLS-00-00-U). It provides a stable optical output in the wavelength range that covers 1.0um 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 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.



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
F:+886-2-8226-7955 sales@giptek.com

Specifications

Optical Information		Unit	Description		
Operating wavelength			950~1020	1010~1060	1050~1100
Total output power	Min.	mW	20	40	25
Power density	Min.	dBm/nm	-10	-15	-12
ASE polarization extinction ratio	Min.	dB	15	15	15
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