

1550nm C-band ASE Modular with Broadband Light Source of 10mW (Gaussian Spectrum)



● Product Description

C- band ASE broadband light source (Gaussian spectrum) is a special light source developed for fiber optic gyroscope applications. The operating wavelength is in the 1550nm wavelength range, and the spectrum is close to the Gaussian shape. Through spectrum control and temperature compensation, better wavelength stability and power stability are achieved, which is very suitable for applications such as fiber optic gyroscopes.

● Part Number

ASE-C-GS-10-SM-M

● Product features

Gaussian spectrum 、 Wide temperature range 、 Wider spectral range

● Application area

Fiber Optic Gyroscope 、 Fiber Optic Sensing 、 Production TESS

Parameters

General parameters

Optical Indicators	Unit	Typical Value	Remark
Spectral Shape	-	Gaussian	
Central Wavelength	nm	1550±5	
Spectral Range	nm	10	3dB Width
Output Optical Power	mW	10/20/30	Fixed power
Spectral Ripple	dB	≤0.2	
Stability Over Temperature	-	≤10%	-40~70°C
stability Over Temperature	ppm	≤200	-40~70°C
Wavelength Stability at Room Temperature	ppm	≤5	30min, 25°C
OUTPUT ISOLATION	dB	>35	
Polarization Degree PER	dB	≤ 0.2	
Pigtail and Connector Types	-	SMF- 28	FC/APC

Electrical and Environmental Parameters	Typical Value
Control Method	RS232 serial communication
Communication Interface	DB9 Female
Operating Voltage	5V DC, <15W
Power Consumption	≤3W (when working at normal temperature); ≤5W (at startup moment)
Size	Φ84(D)×26(H)mm
Operating Temperature Range	-40~+70°C
Storage Temperature Range	-50~+80°C
Operating Humidity Range	0~70%

Ordering Information/PN#				
ASE	Spectral range	Output power (mW)	Output pigtail type	Package
	C- GS	10/20/30	SM= SMF- 28	M = Module



1550nm band ASE broadband light source (Gaussian type)

