

## 1550nm C-band ASE Modular with Broadband Light Source of 30mW (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.

## ● Product features

Gaussian spectrum 、 Wide temperature range 、 Wider spectral range

## ● Part Number

MP-ASE-1550-15-10-SA

## ● Application area

Fiber Optic Gyroscope 、 Fiber Optic Sensing 、 Production Test

## ● Core parameters

Center wavelength	Spectral Range	Output Optical Power
1550±5nm	10nm	30mW

## ● 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
<b>OUTPUT ISOLATION</b>	dB	>35	
<b>Polarization Degree PER</b>	dB	≤ 0.2	
<b>Pigtail and Connector Types</b>	-	SMF- 28	FC/APC

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

