

C-Band Gain-Flattened Fiber ASE Broadband Source Module 20-30mW



● Product Description

The C-band gain-flattened fiber ASE broadband light source module adds gain-flattening technology to the ordinary broadband light source and optimizes the light source structure. The output spectrum flatness reaches 2dB, and it has high output power and compact size.

● Product features

Adjustable power、Spectrum flatness, flatness < 2dB、Highly stable output power

● Part Number

MP-ASE-C-15-34-SA-M

● Application area

Fiber optic sensing 、 Medical imaging 、 Fiber optic device testing 、
 Production testing

● Core parameters

Spectral range	Output optical power
1528~1563nm	20-30mW

● General Parameters

Main Parameters:

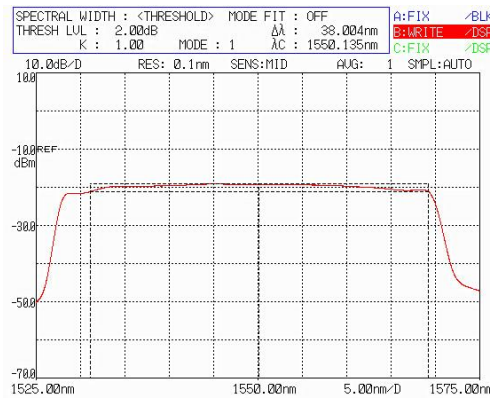
Optical indicators	Unit	Typ	Note
Spectral range	nm	1528~ 1563	2dB spectral range
Output optical power	mW	10/20/50/100/200/400	
Power adjustment range (optional function)	-	10%~ 100%	Spectral flatness maintenance
Spectral flatness	dB	2	*400mW model flatness 3d B
Output isolation	dB	>35	
Short-term stability (15 minutes)	dB	$\leq \pm 0.02$	Equivalent $\leq \pm 0.5\%$
Long-term stability (8 hours)	dB	$\leq \pm 0.05$	Equivalent $\leq \pm 1.2\%$

Optical indicators	Unit	Typ		Note
Polarization PER	dB	≤ 0.2	≥ 23	
Pigtail and connector type	-	SMF-28	PM1550	FC/APC

Electrical and environmental parameters	Benchtop	Module
Control mode	Buttons	RS232 serial communication
Communication interface	Optional	DB9 Female
Power supply	100~240V AC, <30W	5V DC, <15W
Dimensions	260(W) × 280(D) × 120(H)mm	125(W) × 150(D) × 20(H)mm
Operating temperature range	-5~+35 °C	
Operating humidity range	0~70%	

Ordering Information					
ASE	Spectral range	Output power (mW)	*Adjustable power (optional)	Output pigtail type	Packaging
	C	10/20/50/100/200/400	*T	SM= SMF-28 PM=PM1550	B= Benchtop M=Module

C-Band ASE Broadband Source Spectrum (100mW)



C-Band ASE Broadband Source Spectrum (500mW)

