

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.

● Part Number

ASE-C-20-SA-M

● Product features

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

● Application area

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

Parameters

Main Parameters:

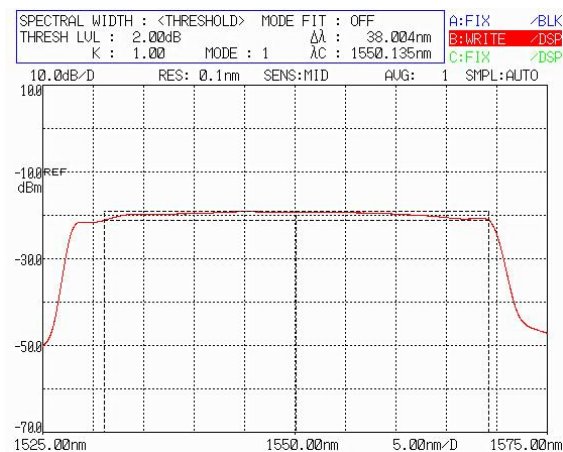
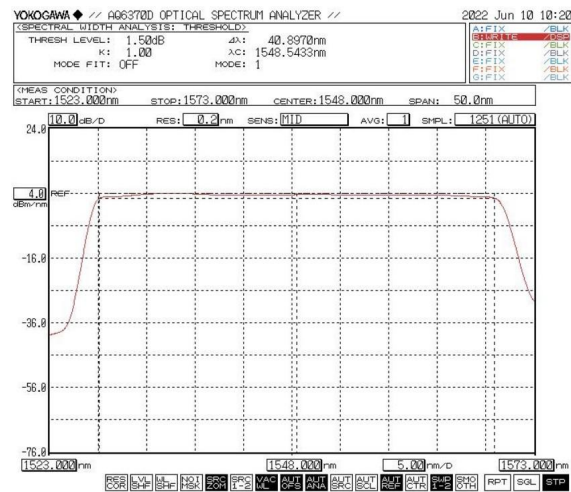
Optical indicators	Unit	Typ		Note
Spectral range	nm	1528~ 1563		2dB spectral range
Output optical power	mW	10/20/50/100/200/400		
Power adjustment range (optional function)	-	10%~ 100%		Spectral flatness maintenance
Spectral flatness	dB	2		*400mW model flatness 3d B
Output isolation	dB	>35		
Short-term stability (15 minutes)	dB	$\leq \pm 0.02$		Equivalent $\leq \pm 0.5\%$
Long-term stability (8 hours)	dB	$\leq \pm 0.05$		Equivalent $\leq \pm 1.2\%$
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=PM1550B= Benchtop M=Module	

C-Band ASE Broadband Source Spectrum (100mW)



C-Band ASE Broadband Source Spectrum (500mW)

