

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 $\leq \pm 1.2\%$
Polarization PER	dB	≤ 0.2	≥ 23	
Pigtail and connector type	-	SMF-28	PM1550	FC/APC

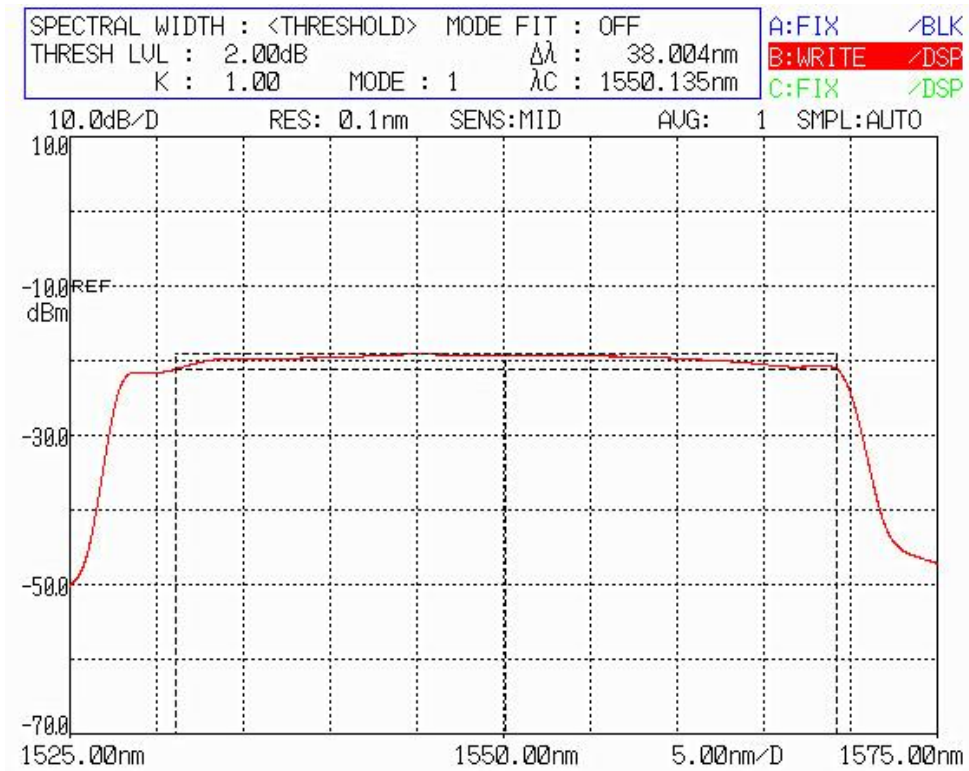


Electrical and environmental parameters	Benchtop	Module
Control mode	Buttons	RS232 serial communication
Communication interface	Optional	DB9 Female
Power supply	100~240V AC, <30W	5V DC,<15W
Dimensions	260(W) × 280(D) × 120(H)mm	125(W) × 150(D) × 20(H)mm
Operating temperature range	-5~+35 °C	
Operating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



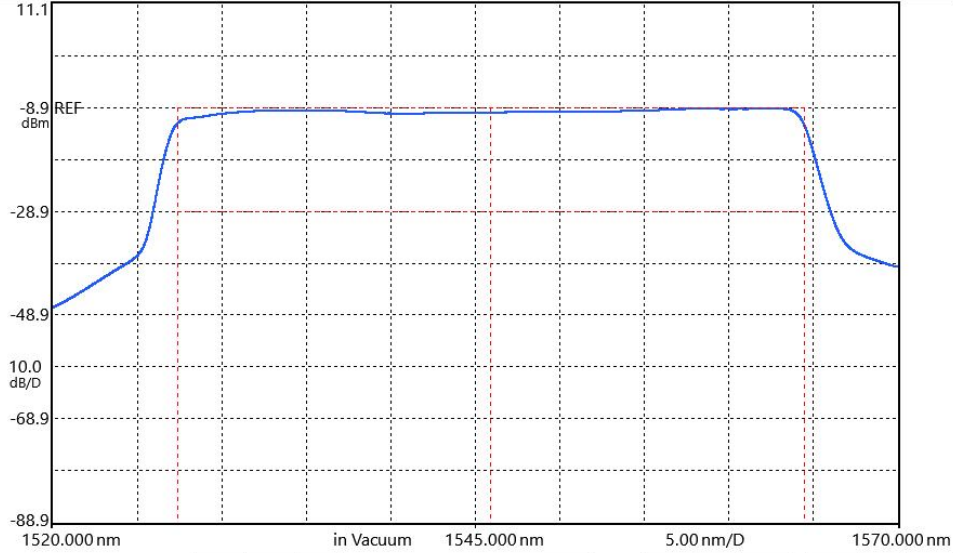


C-Band ASE Broadband Source Spectrum (500mW)

// AQ6375E OPTICAL SPECTRUM ANALYZER //

2024 May 22 15:05

<LED ANALYSIS>		MEAN WL: 1546.5214nm		SPEC WIDTH: 37.1308nm		A:WRITE /DSP	
PEAK WL: 1562.3500nm		TOTAL POWER: 18.82dBm		PEAK LEVEL: -8.94dBm		B:FIX /BLK	
						C:FIX /BLK	
						D:FIX /BLK	
						E:FIX /BLK	
						F:FIX /BLK	
						G:FIX /BLK	
<Meas. Conditions>							
START:	1520.000 nm	STOP:	1570.000 nm	CENTER:	1545.000 nm	SPAN:	50.0 nm
RES:	0.05 nm	SENS:	MID	AVG:	1	SMPL:	5001(A)



LVL SHF	WL SHF	NOI MSK	SRC ZOM	SRC 1-2	AUT OFS	AUT ANA	AUT SRC	AUT REF	AUT CTR	SWP 1-2	SMO OTH	RPT	SGL	STP
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