

ASE5000

C-Band ASE light Source

PRODUCT DESCRIPTION

Guangtai ASE5000 series is C-Band ASE light source with featured with high stability and high output. It is mainly applied for testing of C-Band optical components and optical communication equipments as well as Fiber Optical Sensor etc.

Guangtai ASE5000 has three types of exterior structure, suitable for different customer' requirements.

2D type: desk top (portable type), suitable for lab or field application.

M1, M2 type: module type, could be OEM.

3J type: card, can be integrated into Guangtai OS8000 3U chassis, integrated light source platform.



PRODUCT FEATURE

- ▶ High stability, high output.
- ▶ High gain flatness (optional)
- ▶ Wide spectrum bandwidth
- ▶ Perfect RS232 monitor order
- ▶ Kinds of exterior structures, suitable for different application.
- ▶ Excellent P/P ratio

MAIN APPLICATION

- ▶ Optical components test, dwdm, iso, pioc, fbg
- ▶ Optical communication equipment, edfa
- ▶ Fiber Optical Sensor area
- ▶ Lab

TECHNIQUE INDEX

Function		Index			Supplement
		Min.	Typ.	Max.	
Working wavelength	(nm)	1528		1564	C-Band
Output power	(dBm)	13			ASE5013
		17			ASE5017
		20			ASE5020
		10			ASE5110
		13			ASE5113
		16			ASE5116
Output power adjustable range	(dB)	-6		0	
Output power adjust mode	(dB)	In steps ± 0.1			
Spectrum flatness	(dB)	No provision			ASE50xx
		-0.5		+0.5	ASE51xx
		-1.0		+1.0	ASE5200
		-2.0		+2.0	ASE5400
Spectrum density	(dBm/nm)	-16			
Output power stability	(dB)	-0.005		+0.005	15 Minutes
		-0.01		+0.01	8 hours
Fiber type		SMF-28 with 900 μ m loose tube			
Optical connector		FC/PC, FC/APC			SC available
SNMP interface		RJ45			
Communicate interface		RS232			
Power supply	(V)	90		265	220VAC
		30		72	-48VDC
Power consume	(W)			50	
Work temp.	($^{\circ}$ C)	0		70	
Storage temp.	($^{\circ}$ C)	-40		+85	
Size	(")	11 $\times$ 13 $\times$ 3.5			2D
	(mm)	90 $\times$ 70 $\times$ 18			M1
		115 $\times$ 89 $\times$ 18			M2
		200 $\times$ 25 $\times$ 128			3J

Model	Working wavelength	Output power	Flatness	Optical connector
ASE5013-2D-FA	C-Band 1528~1565nm	13dBm	No GFF	FC/APC
ASE5016-2D-FA		16dBm		
ASE5020-2D-FA		20dBm		
ASE5110-2D-FA	C-Band 1528~1565nm	10dBm	±0.5	FC/APC
ASE5113-2D-FA		13dBm		
ASE5116-2D-FA		16dBm		
ASE5210-2D-FA	C-Band 1528~1565nm	10dBm	±1.0	FC/APC
ASE5213-2D-FA		13dBm		
ASE5216-2D-FA		16dBm		
ASE5410-2D-FA	C-Band 1528~1565nm	10dBm	±2.0	FC/APC
ASE5413-2D-FA		13dBm		
ASE5416-2D-FA		16dBm		

[illegible]