

TC-ASE Series ASE Broadband Light Source

Product Description

TC-ASE series broadband light source is based on the principle of pumping rare-earth doped fiber by semiconductor laser to produce spontaneous radiation light, combined with local optical feedback control technology. The tabletop ASE light source has the advantages of high output power, wide spectral line, low polarization, high power stability, and good average wavelength stability, which can meet the strict performance requirements of broadband light sources in sensing, testing and imaging research fields.



Features

- High output power
- Good power stability
- Low degree of polarization (DOP) output
- Microprocessor intelligent control
- Good average wavelength stability

Applications

- Fiber Optic Passive Component Testing
- Spectral Analysis
- Biomedical imaging
- Fiber optic sensing system
- Fiber optic gyroscope testing

Extreme Condition

Parameter	Symbol	Unit	Minimum value	Typical value	Maximum value
Operating Temperature	Top	°C	-20		60
Storage Temperature	Tst	°C	-40		85
Humidity	RH	%	5		90



Performance Parameter

Parameter		Minimum value	Typical value	Maximum value	Unit
Working wavelength	C	1525	-	1565	nm
	L	1570	-	1610	
	C+L	1525		1610	
	1060	1030		1090	
Output power			10/13/17/23		dBm
Power Spectral Density		-20		-2	dBm
Power stability	15min @ 23°C	2.0	3.0	5.0	%
	8h@ 23°C	-	0.01	0.02	dB
3dB spectral width		37	40	42	nm
Spectral flatness			1.5	2	dB
Specification		Desktop		Module	
Dimension L x W x H		320×220×90 mm		90×70×18mm	
Power requirements		AC 220V ± 10% 30W		DC +5V GND	
Fiber Type		SMF-28 or PMF			
Fitting Type		FC/PC、FC/APC or users specify			

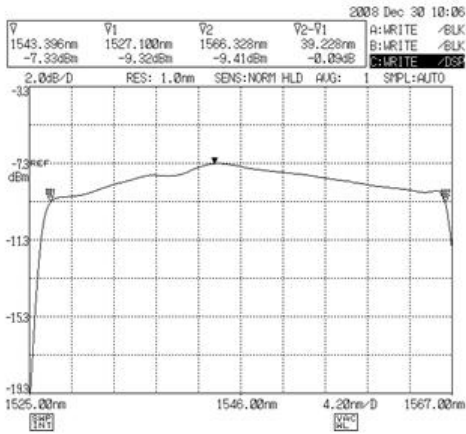
Ordering information

TC	ASE	XX	X	XX	X	XX
	ASE	Working wavelength: C---C wave L---L wave CL--C+L wave O---other	Package type: D--- Desktop M--- Module	Output optical power: 10---10dBm 13---13dBm 17---17dBm 20---20dBm 23---23dBm	Other: Empty----with GFF 1-----no GFF	Optical fiber connector: FP---FC/PC FA---FC/APC SP---user specified

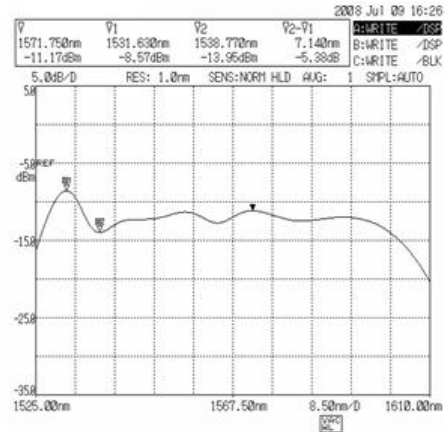
If you have special needs, please contact our sales staff.



Typical Spectrum



C波段光谱图（带GFF）



C+L波段光谱图（带GFF）

