

TC-ASE-1060 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 Systems

Extreme conditions

Parameter	Symbol	Unit	Minimum value	Typical value	Maximum value
Operating Temperature	Top	°C	0		60
Storage Temperature	Tst	°C	-40		85
Humidity	RH	%	5		90



Performance Parameter

Parameter		Minimum value	Typical value	Maximum value	unit
Operating Wavelength Range	λ	1035	-	1085	nm
Output Power	Po	-	-	20	mW
Flatness	FL	-	-	8	dB
Power Stability@15min	Po_15m	-	± 0.01	± 0.02	dBm
Power Stability@8h	Po_8h	-	± 0.05	± 0.1	dBm
Return Loss	RL	45	-	-	dB
Isolation Degree	ISO	60	-	-	dB
TEC Stability	TI		± 0.1	± 0.2	$^{\circ}\text{C}$
TEC Scope of Work	TI	20	25	30	$^{\circ}\text{C}$
Polarization-related Gain	PDG	-	-	0.5	dB
Polarization Mode Dispersion	PMD	-	-	0.5	ps
Specification		Desktop		Module	
Dimension L x W x H		280×260×112 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 user specified			

Ordering information

TC	ASE	XX	X	XX	X	XX
	ASE	Working wavelength: C---C wave L---L wave CL--C+L wave 1060---1060 wave	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

