

## Bench-Top Light Source CA6044

### General Description:

CA6044 light source is a broadband light source which is widely used in manufacture and measurement of passive device with highly steady and high power output. CA6044 light source is used in the measurement of fiber grating, DWDM thin film filter, AWG, which can improve efficiency for 10 times more than white light source or tunable laser. In addition, it is also used in other fiber device such as couple, isolator, circulator etc.

Invented by UC Instruments, the CA6044 ASE light source is based on semiconductor laser pumped rare-earth doped fiber spontaneous emitter light. With a new imported 980nm pump laser and a high concentration erbium-doped fiber, the main device has good performance and high reliability.

### Applications:

- The measurement and manufacturer of optical amplifier
- The measurement and manufacturer of passive device
- The measurement of WDM
- Optical fiber sensor system
- Optical Communication System Integration measurement
- FOG(fiber optical gyroscope) measurement
- Spectrum analysis
- Laboratory measurement



### Technology Parameters :

Parameters	Character	Min.	Classic	Max.	Unit
Working wavelength range		1530	--	1560	nm
Output optical power	Po	+13	--	+17	dBm
Stability of optical power	Ps	--	±0.02	--	dB
Isolation of output light	ISO	--	30	--	dB
Output return loss	RL	45	--	--	dB
Power consumption	Pc	--	--	20	W
Working voltage	V	110	--	220	V
Working temperature	Top	0	--	+60	°C
Storage temperature	Ts	-20	--	+70	°C
Optical connector	FC/APC(or SC/APC)				

### Standard accessories :

power line; user manual; APC pigtail

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