

PRODUCT INFORMATION SHEET

High power 980nm LD light source

➤ Features

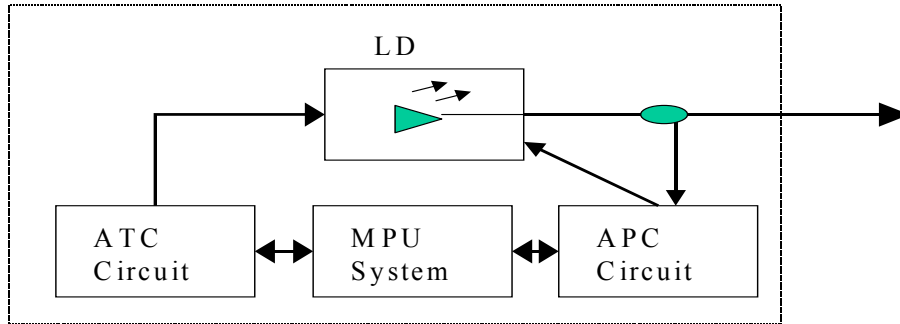
- Output power can be adjustable
- High output power up to 500mw
- Micro-process unit control
- Easy control by other equipments
- Ultra-high stability and reliability
- High precise APC and ATC circuit

➤ Applications

- OFA Research, Test and Manufacture
- Optical fiber laser researching
- Passive component test and manufacture
- WDM Test
- Lab testing

➤ Description

The laser diode optical source is designed as a lab and manufacture testing equipment. The DFB laser is employed in it as the key component to ensure the high spectrum performance. A proprietary ATC and APC circuit insures the stability output power. By adjusting ATC and APC Operation and remote control is very easy by Micro-process Unit.

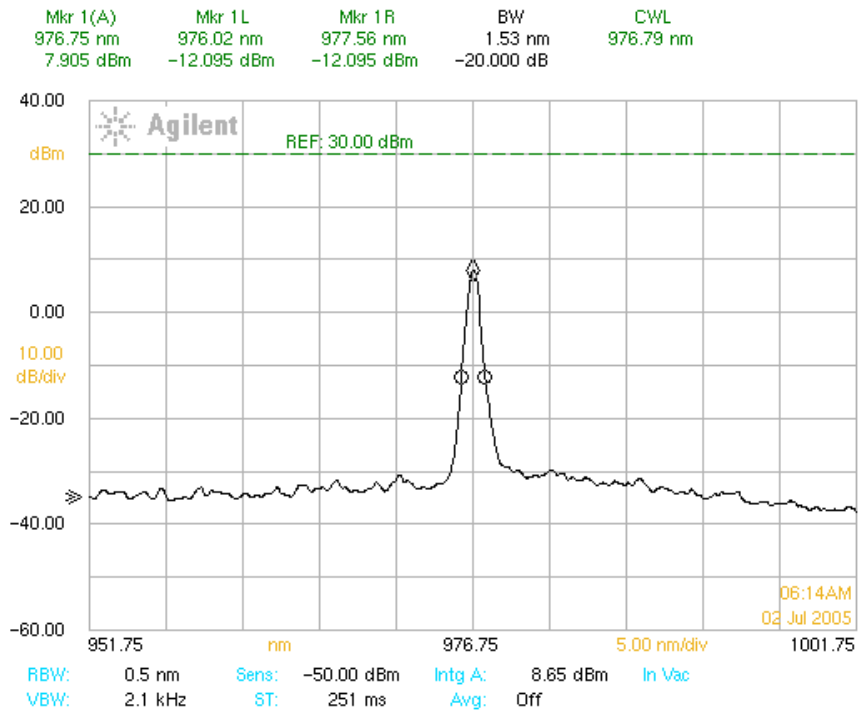


➤ Characteristics

Parameter	Symbol	MIN	TYP	MAX	UNITS
Optical Output Power	P _o	10	-----	500	mW
Peak Wavelength	λ_p	972	-----	985	nm
RMS Spectral Width	$\Delta \lambda$	-----	1	2	nm
Power Between 975 and 985	-----	85	95	100	%
Output power stability (in 15 minutes)	ΔP_s	-----	-----	± 0.05	dB
Output power stability (in 4 hours)	ΔP_L	-----	-----	± 0.2	dB
TEC stability	ΔT_I	-----	± 0.1	± 0.2	°C
TEC operating range	T _I	20	25	30	°C
Operating voltage	V	170	220	260	VAC
Power consumption	P _c	-----	-----	15	W
Operating temperature	T _w	0	-----	45	°C
Storage temperature	T _s	-40	-----	80	°C

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➤ Example Spectrum



Bechtop: (mm)

