IDPHOTONICS GMBH SHAPING LIGHT

Ordering Information:

XSoptix

800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

CoBriteDX - Laser

Features

- ✓ Hosts 1 to 4 laser ports
  - ✓ Polarization Maintaining Output
- ✓ Multiple Laser variants available
- ✓ Line width down to < 25kHz
- ✓ Remote control
  - ✓ USB & Ethernet connectivity
  - ✓ SCPI Style commands
- ✓ Integrated Web Server for browser-based control
  - ✓ Access device from any smartphone or PC via Browser
- ✓ Large Touch Display Panel for intuitive local control
- ✓ 19” Rack mountable
  - ✓ 2HE – 19” Half width

Applications

- ✓ DWDM transport testing
- ✓ coherent Transmission
  - ✓ Local Oscillator
  - ✓ Transmitter Laser
- ✓ versatile Light source

CoBrite is a versatile tunable Laser light instrument that allows standalone operation by an intuitive local touch display. The chassis can be equipped with 1 to 4 tunable lasers to meet your specific needs.

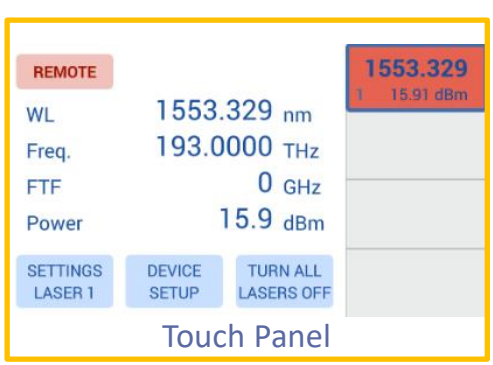
Remote operation via an integrated web server allows control using any browser-based device such as smartphones eliminating the need for complex software installations.

An integrated AC power supply makes this solution ultra portable while it is compatible with the 19” rackmount standard.

Automated remote control is achieved via USB or Ethernet by SCPI command control. It empowers users to setup and perform complex automated tasks within minutes.

Optical connectors are tool-free user removable allowing instant access for fiber cleaning.

Optical Parameter		Laser Type N	Laser Type S	Laser Type G	Unit
Frequency range;	C – Band	190.70 – 196.65 (1524.5 - 1572nm)	191.12 – 196.25 (1527.6 – 1568.6nm)	191.1 – 196.25 (1527.61 – 1568.77nm)	THz
Inquire for customized parameters	L – Band	186.00 – 191.1 (1568.8 – 1611.7nm)	Not available	Not available	
	C + L – Band	186.00 - 196.65 (1524.5 - 1611.7nm)			
Channel Spacing		Continuous	Continuous	Continuous	GHz
Frequency fine tune resolution		1	10	1	MHz
Frequency fine tune range		+/- 6	+/- 10	+/- 6	GHz
Optical Power tuning range for any frequency	C Band L Band C + L Band	10.0 – 16.0 9.0 – 14.5 6.8 – 10.5	8.8 – 17.8 (17.0 dBm EOL) –	9.5 – 15.5 - 	dBm
Spectral Line width; 3dB instantaneous, 3.5us (Lorentzian contribution)		< 100 25 typical	80 typical < 100 (Pout < 16dBm) < 150	< 100 25 typical	kHz
Frequency accuracy over Lifetime Over 24 hours		+/- 2.5 0.3	+/- 1.5 0.3	+/- 2.5 0.3	GHz
SMSR; Side mode suppression ratio; measured with 0.1nm RBW		> 40 55 typical	> 40	> 40 55 typical	dB
RIN (10MHz to 3GHz)		-145 (10 MHz to 44GHz, 7dBm)	-140 (100kHz – 20MHz) -150 (20MHz – 1GHz)	-145 (10 MHz to 44GHz, 7dBm)	dB/Hz
Power accuracy over tuning range		+/- 0.5	+/- 0.5	+/- 0.5	dB
Tuning speed (max/typical)		15 / 10	2 / 1.0	15 / 10	s
Output Connector		FC/APC, FC/PC or SC/PC			
Output power accuracy over Lifetime Over 1 hour Over 24 hours			-/+1 +/- 0.01 (typ.) +/- 0.03 (typ.)		dB
Output power setting resolution			0.1		dB
Optical Fiber		Polarization- maintaining PANDA type Fiber, PER > 18dB, 25typ.			



Touch Panel

Device Parameter

Operating Temperature	0 to 40°C	non-condensing
Storage Temperature	-20°C to 60°C	non-condensing
Size of device (H x W x D)	89 x 206 x 235mm 3.51” x 8.12” x 9.06”	
Power Supply	100-240 VAC, 0.5A, 50/60Hz	

Ordering Information

* APC type connector only

CBDX	-XY-XY-XY-XY	-XX
Article	Laser Configuration, per Port:	Connector
CoBriteDX	X: Laser Type (N,S,G*) Y: Laser Band - (C, L) band XY = LC – C + L band option, 2 laser ports max. XY = NN: No laser equipped	FA = FC/APC FP = FC/PC SP = SC/PC

Example: CBDX-NC-SC-NN-NN-FA: 2 Laser ports with 1 NC & 1 SC type

Accessory

CBDX-ACC-RM-x	19” Adaptor plate for rack mount, 2 HE 1: 1 Laserchassis; 2: 2 Laser chassis

RoHS compliant

Invisible Laser Radiation
Class 1M Laser Product
EN 60825-1: IEC 60825-1

Contact information

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