

The BC21T1310Pxx series 1310nm optical transmitter adopts famous brand high linearity DFB laser, and build-in perfect pre-distortion adjustment circuit. Owing the internal micro processor auto monitor system, the transmitter would ensure excellent performance.



Main Features

- Excellent pre-distortion circuit to improve C/CTB and C/CSO
- AGC RF control circuit can ensure the constancy of laser's modulation depth
- ATC and APC can ensure the best operating status of laser
- Slow start-up circuit and RF over-protection circuit ensure the laser will not be damaged
- Perfect microprocessor automatic monitoring circuitry can monitor the operating status real-timely and precisely
- Front panel display status and alarm
- With RJ-45 interface, remote control conveniently

Specification

	Item	Parameter
Optical	Wavelength	1310 $\pm$ 20 nm
	Output power range	2 ~ 30 mW (3 ~ 15 dBm)
	Optical return loss	> 45 dB
RF	Bandwidth	47 ~ 862 MHz
	RF input level	70 ~ 90 dBuV (recommend 80 dBuV)
	Flatness	$\pm$ 0.75 dB
	Impedance	75 Ω
	Input return loss	$\geq$ 16 (47 ~ 550)MHz; $\geq$ 14 (550 ~ 750/862)MHz
	CNR	$\geq$ 51 dB
	CTB	$\geq$ 65 dB
	CSO	$\geq$ 60 dB
	AGC\MGC ATT range	$\pm$ 8 dB
User Interface	Optical connector	FC/APC or SC/APC
	RF connector	F- "Female" connector
	Power supply	AC220V (100 ~ 240V) or DC48V (35 ~ 72V)
	HMI	LCD display, 4*button, 5*LED
	Online monitor	Ethernet

	Item	Parameter
Other characteristic	Machine power consumption	<10 W
	Operating temperature	-10° C to + 50° C
	Storage temperature	-20° C to + 65° C
	Relative humidity	10% to 95% (no condensing)
	Dimension	423 × 330 × 45 mm (package 575 × 488 × 89 mm)
	Weight	6Kg

Ordering Information

Model	Product Description
BC21T1310P02	Output power level: 2mW(3dBm)
BC21T1310P03	Output power level: 4mW(6dBm)
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BC21T1310P28	Output power level: 28mW(14.5dBm)
BC21T1310P30	Output power level: 30mW(14.8dBm)