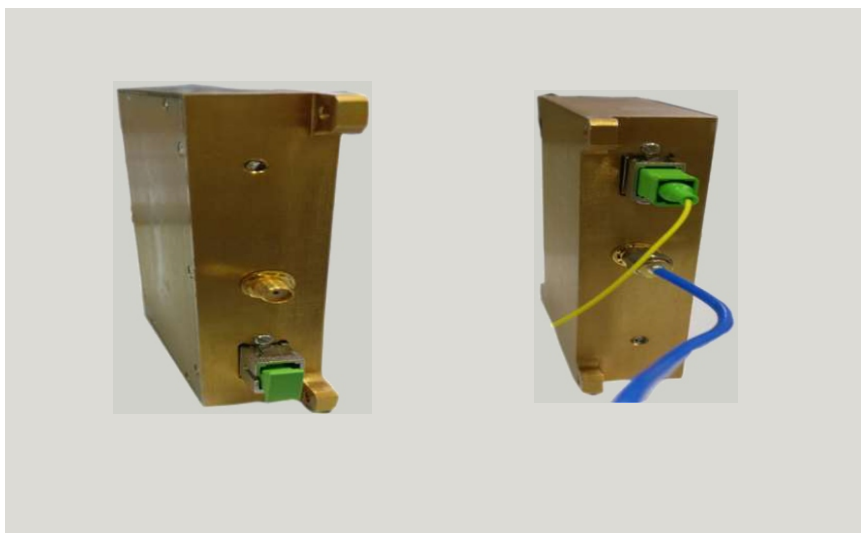


2 GHz Radio Over Fiber



Optical Transmitter And Receiver

The Fiber Optic Transmitter CCSL-Tx-LB-2000-SC and Fiber Optic Receiver CCSL-Rx-LB-SC are designed for electrical-to-optical (E/O) and Optical to Electrical (O/E) conversion of broadband RF signals over a frequency 950 MHz to 2000 MHz.

Using both these modules, a broadband linear optical link, capable of supporting the transmission of RF signals over single mode optical fiber could be achieved for many applications such as RF transmission, Optical delay line, and Antenna Remoting.

Features

- Wide bandwidth 950 MHz to 2000 MHz
- WDM & CWDM Compatible
- High Dynamic Range
- Immune to EMI

Specifications	
Frequency	950 MHz to 2000 GHz
Gain	+5 dB (typical) or better
Flatness(max)	± 2.5 dB (950MHz to 2000 MHz)
Dynamic range	-90 to -10dBm
Max RF input power handling	+15 dBm or better
Input P1	0 dBm
Input IP -3(min)	+11 dBm
Noise figure(max)	19 dB or better
RF input & output interface	50 ohm, SMA(F)
Operating wave length	1550 / 1310 + 10nm
Modulation type	Direct
Optical output power	4 \pm 2dBm
Back Reflection	35dB
Optical interface	SC/PC

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