

## (3.4 to 4.2 Ghz) Radio Over Fiber



### Features

- Bandwidth 3.4 to 4.2 GHz
- WDM & CWDM Compatible
- High Dynamic Range
- Immune to EMI

### Optical Transmitter And Receiver

The Fiber Optic Transmitter CCSL-Tx-C-2000-FC and Fiber Optic Receiver CCSL-Rx-C-FC are designed for electrical-to-optical (E/O) and Optical to Electrical (O/E) conversion of broadband RF signals over a frequency 3.4 to 4.2GHz

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.

Specifications	
Frequency	3.4 to 4.2 GHz
Gain	+0 dB (typical) or better
Flatness(max)	$\pm 1$ dB (3.4 to 4.2 GHz)
Dynamic range	-10 to -60dBm
Max RF input power handling	0 dBm or better
Input P1	-10 dbm
Input IP-3(min)	+15dBm
Noise figure(max)	25dB or better
RF input & output interface	50 ohm, SMA(F)
Operating wave length	1550
Modulation type	Direct
Optical output power	$3 \pm 2$ dBm
Back Reflection	35dB
Optical interface	FC/APC

**Information:** Call us +91 9963998505 or email [info@optiwavephotonics.com](mailto:info@optiwavephotonics.com)

Clear Communication Systems Ltd  
 Plot No 70, Road No 9, IDA, Mallapur  
 Hyderabad - 500 076, Telangana, INDIA  
 Phone: +91 40 27178661, Internet: [optiwavephotonics.com](http://optiwavephotonics.com)