

Technical Specifications

IQ transmitter

The system to be purchased is an IQ transmitter which produce optical signals with complex modulation schemes (QPSK,m-QAM, OEDM) with the following specifications.

- Modulator structure: Single polarization IQ
- Wavelength range = 1525-1565 nm
- Formats: CS-SSB, QPSK, m-QAM
- Data rate= 2×22 Gbps
- RF input: 100 to 300 mVpp. PRBS or equivalent
- RF port: 1.85 mm Typex2, Male
- Fiber: PM1550 at input and output
- On/off extinction ratio @ DC: 20 to 32 dB
- Insertion loss: 4.5 dB to 7.5 dB
- Input optical power @ CW= -15 to 15 dBm

These specifications are required to generate the mentioned optical signal modulated with higher order modulation formats for high speed optical communication applications specifically in the transmitter side. The vendor should have sold out more than 50 units of the product already. Vendor must quote along with the compliance table for the specifications and charges should include CIF.