

Simulation Analysis of Optical Add Drop Multiplexer in a Ring Network

Authors : Surinder Singh, Meenakshi

Abstract : In this paper MZI-FBG based optical add drop multiplexer is designed and its performance is analyzed in the ring network. In the ring network nodes are composed of optical add drop multiplexer, transmitter and receiver. OADM is used to add or drop any frequency at intermediate nodes without affecting other channels. In this paper the performance of the ring network is carried out by varying various kinds of fiber with or without amplifiers.

Keywords : OADM, ring network, MZI-FBG, transmitter

Conference Title : ICOCN 2015 : International Conference on Optical Communications and Networks

Conference Location : New York, United States

Conference Dates : June 04-05, 2015