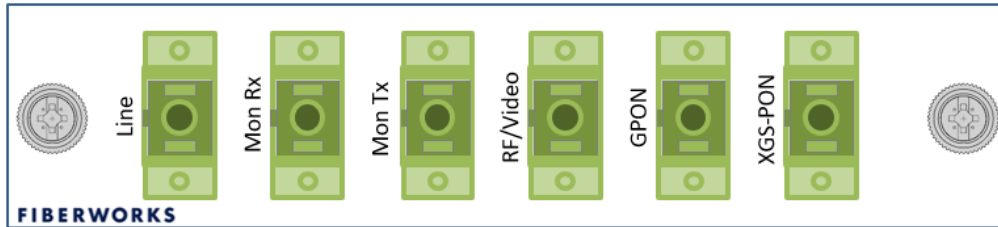


F-CEX-GX-RF-SCA-ML3

GPON, RF/Video and XGX-PON Coexisting Element Multiplexer with Monitor Ports



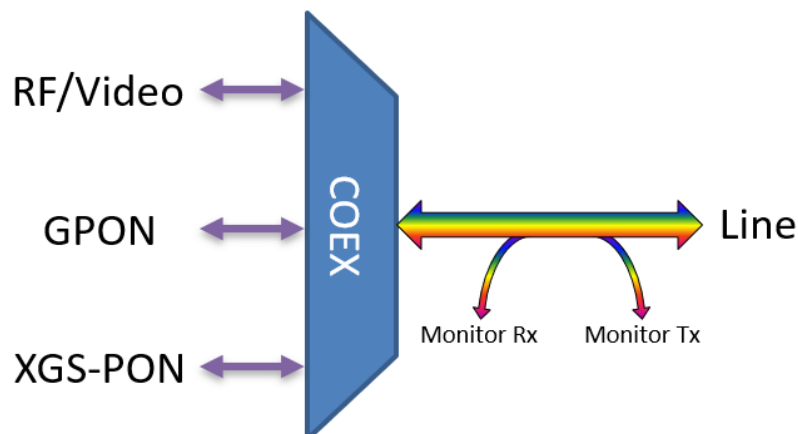
DESCRIPTION

This compact PON Coexisting Element multiplexer allows GPON, XGX-PON and RF video overlay to be operated on the same fiber tree. The LGX3 form factor enables 14 modules to be placed in a 3RU chassis. Low insertion loss ensures minimal impact on the optical performance of the PON systems. Monitor ports provides easy access for troubleshooting.

FEATURES

- Coexisting Element (CEx) based on passive wavelength division multiplexing
- Supports GPON according to ITU-T G.984 and XGS-PON according to ITU-T G.9807.1
- Separate port for RF video overlay
- Low insertion loss
- Based on thin film optics with epoxy free optical path
- 2% Monitor ports for Rx and Tx
- Compact LGX3 form factor - Three modules fit in 1U in 19" chassis or 14 modules in 3U chassis
- SC/APC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

Parameter	Unit	Value
Pass band GPON port	nm	1285-1510
Pass band RF/Video port	Nm	1526-1570 & >1585
Pass band XGX-PON port	nm	1257-1282 & 1575-1581
Insertion loss GPON port	dB	< 1.5
Insertion loss RF/Video port	dB	< 1.5
Insertion Loss XGX-PON port	dB	< 1.0
Isolation GPON port	dB	> 15
Isolation RF/Video port	dB	> 15
Isolation XGX-PON port	dB	> 30
Wavelength range monitor ports	nm	1260-1620
Directivity	dB	> 55
Return Loss	dB	> 50
Polarization dependent loss	dB	< 0.10
Power Handling	mW	< 500
Operating temperature	°C	-30 to +70
Storage temperature	°C	-40 to +85
Dimensions (H x W x D)	mm	29 x 130 x 160

ORDERING INFORMATION

Product number	Description
F-CEX-GX-RF-SCA-ML3	Fiberworks PON CEx mux w/mon.ports, LGX3 GPON + RF + XGS-PON, SC/APC connectors
F-CHASSIS-19-LGX3+14	Fiberworks 19" 3U LGX3 / TG-chassis for 14 modules, open frame