## LX1SXB03CCN



#### Single Width LGX Module, CEx 2, 3 circuits, SC/APC connectors

 \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | China | EMEA | India | Latin

America | North America

**Product Type**Coexistence Element (CEx)

**Product Series** LGX

**Government Requirements**Build America Buy America (BABA) compliant\*

General Specifications

Circuits, quantity 3

 Interface, Input
 SC/APC

 Interface, Output
 SC/APC

**Location of Manufacturing** Waived per BABA waiver for BEAD Program

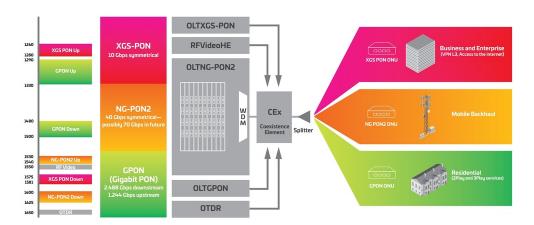
Port Configuration



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Module Type	Networks/Services	Wavelengths (nm)
CEx 1	GPON/25G	1290 - 1500
	UPG	1260-1280 & 1525-1650
CEx 2	GPON/25G	1290 - 1500
	XGS-PON	1260 - 1280; 1575 - 1581
	UPG	1525-1560 & 1596-1650
CEx 3	GPON/25G	1290 - 1500
	RF	1550 - 1560
	UPG	1260-1280 & 1525-1540 & 1575-1650
CEx 4	GPON/25G	1290 – 1500
	XGS-PON	1260 - 1280 & 1575 – 1581
	NG-PON2	1524-1544 & 1596-1603
	UPG	1550-1560 & 1613-1650
CEx 5	PON (COMBI)	1260-1500nm & 1575-1581nm
	UPG	1525-1565nm & 1596-1650nm

### Block Diagram



### **Optical Specifications**

Directivity, minimum50 dBInput Power, maximum200 mW

**Passband** GPON: 1290-1500 nm | UPG: 1525-1560 nm & 1596-1650 nm | XGS-PON: 1260-

1280 nm & 1575-1581 nm

Polarization Dependent Loss, maximum0.3 dBPolarization Mode Dispersion, maximum0.5 ps

Insertion Loss, including connectors COM to GPON: ≤ 0.8 dB | COM to UPG: ≤ 1.2 dB | COM to XGS-PON: ≤ 1.2 dB

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Isolation COM to GPON: ≥ 30 dB | COM to UPG: ≥ 15 dB | COM to XGS-PON: ≥ 30 dB

**Return Loss, minimum** 50 dB

**Environmental Specifications** 

**Operating Temperature**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

**Relative Humidity** 5%–95%, non-condensing

**Qualification Standards** IEC 61300-2-1 | Telcordia GR-1209-CORE

Packaging and Weights

Packaging quantity 1

