LX1SXC03CCN



Single Width LGX Module, CEx 3, 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 TypeCoexistence Element (CEx)

Product Series LGX

Government RequirementsBuild America Buy America (BABA) compliant*

General Specifications

Circuits, quantity 3

 Interface, Input
 SC/APC

 Interface, Output
 SC/APC

Location of ManufacturingWaived per BABA waiver for BEAD Program

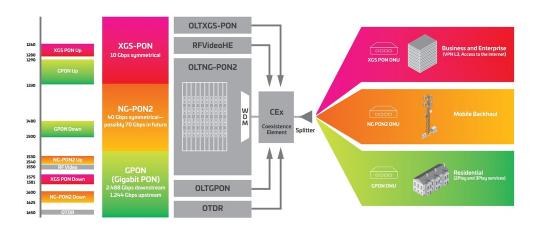
Port Configuration



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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 | RF: 1550-1560 nm | UPG: 1260-1280 nm, 1525-1540

nm & 1575-1650 nm

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

Insertion Loss, including connectors COM to GPON: ≤ 0.8 dB | COM to RF: ≤ 1.2 dB | COM to UPG: ≤ 1.2 dB

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Isolation COM to GPON: \geq 30 dB | COM to RF: \geq 30 dB | COM to UPG: \geq 15 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

