

LX1SXC06AAN



Single Width LGX Module, CEx 3, 6 circuits, LC/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

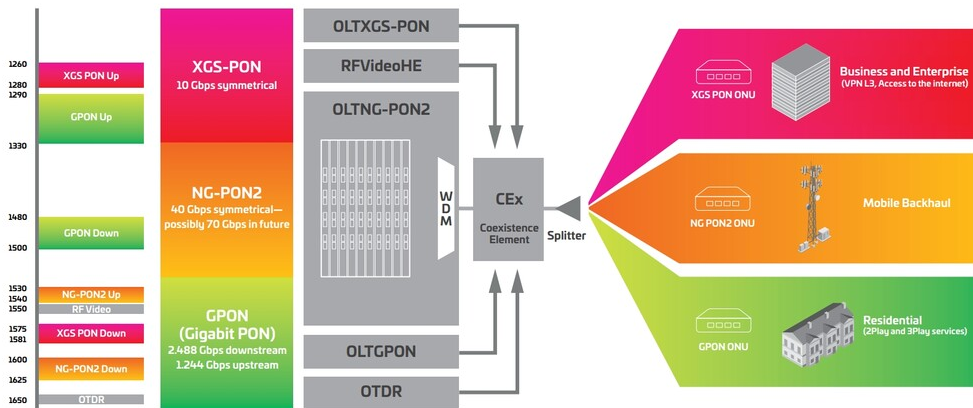
Circuits, quantity	6
Interface, Input	LC/APC
Interface, Output	LC/APC
Location of Manufacturing	Waived per BABA waiver for BEAD Program

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

Block Diagram



Optical Specifications

Directivity, minimum	50 dB
Input Power, maximum	200 mW
Passband	GPON: 1290-1500 nm RF: 1550-1560 nm UPG: 1260-1280 nm, 1525-1540 nm & 1575-1650 nm
Polarization Dependent Loss, maximum	0.3 dB
Polarization Mode Dispersion, maximum	0.5 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: ≥ 30 dB COM to RF: ≥ 30 dB COM to UPG: ≥ 15 dB
Return Loss, minimum	50 dB

Environmental Specifications

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	5%–95%, non-condensing
Qualification Standards	IEC 61300-2-1 Telcordia GR-1209-CORE

Packaging and Weights

Packaging quantity	1
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