

# BLE120-042-AX-XFX



BLE120 Broadband Line Extender Amplifier, 1.2 GHz GaN output w/38 dB gain, 5-42 MHz/54-1218 MHz Bandpass split, 24 dB Upstream gain, Standard housing (full station), Powering option X

- \*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.
- Supports 1.2 GHz Downstream and 204 MHz Upstream bandpass for DOCSIS® 3.1 migration
- Modular RF Electronics package with upgradable frequency split options
- Increased gain to allow drop in upgrades for  $\geq 750$  MHz spacing
- Mechanically compatible with legacy BLE™ amplifier housings
- Expand return path bandwidth with support up to 204 MHz
- Analog and QAM ADU options for automatic gain control (AGC). AGC mode will revert to gain hold mode in the event of pilot loss.

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	RF amplifier
<b>Product Series</b>	BLE120
<b>Government Requirements</b>	Build America Buy America (BABA) compliant*

## General Specifications

<b>Technology</b>	1.2 GHz GaN output w/38 dB gain
<b>Housing</b>	Standard (Full station)
<b>Location of Manufacturing</b>	Waived per BABA waiver for BEAD Program

## Dimensions

<b>Width</b>	203.2 mm   8 in
<b>Depth</b>	119.38 mm   4.7 in
<b>Length</b>	269.24 mm   10.6 in

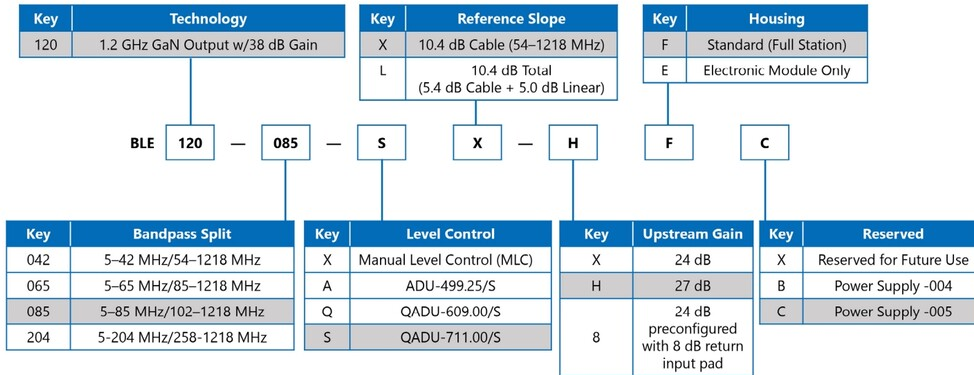
## Electrical Specifications

<b>Upstream Gain</b>	24 dB
<b>Bandpass Split</b>	5-42 MHz / 54-1218 MHz

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<b>Input Voltage Range, ac</b>	38–90 V
<b>Level Control</b>	ADU-499.25/S
<b>Reference Slope</b>	10.4 dB Cable (54-1218 MHz)

## Ordering Tree



NOTE: Not all combinations of options are valid. Contact your CommScope representative for assistance.

## Environmental Specifications

**Operating Temperature** -40 °C to +60 °C (-40 °F to +140 °F)

## Packaging and Weights

**Weight, net** 3.266 kg | 7.2 lb

## Regulatory Compliance/Certifications

### Agency

CHINA-ROHS

ROHS

UK-ROHS

### Classification

Above maximum concentration value

Compliant/Exempted

Compliant/Exempted

