# BLE120-042-AL-HFX



BLE120 Broadband Line Extender Amplifier, 1.2 GHz GaN output w/38 dB gain, 5-42 MHz/54-1218 MHz Bandpass split, 27 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 ≥ 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**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type RF amplifier
Product Series BLE120

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

## General Specifications

**Technology** 1.2 GHz GaN output w/38 dB gain

**Housing** Standard (Full station)

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

#### **Dimensions**

 Width
 203.2 mm | 8 in

 Depth
 119.38 mm | 4.7 in

 Length
 269.24 mm | 10.6 in

# **Electrical Specifications**

Upstream Gain 27 dB

**Bandpass Split** 5-42 MHz / 54-1218 MHz

**COMMSCOPE®** 

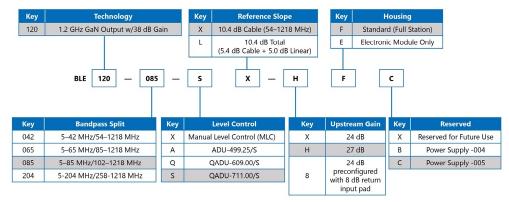
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Input Voltage Range, ac 38-90 V

**Level Control** ADU-499.25/S

**Reference Slope** 10.4 dB Total (5.4 dB Cable + 5.0 dB Linear)

### Ordering Tree



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

## **Environmental Specifications**

**Operating Temperature**  $-40 \, ^{\circ}\text{C} \text{ to } +60 \, ^{\circ}\text{C} \text{ (-40 } ^{\circ}\text{F to } +140 \, ^{\circ}\text{F)}$ 

Packaging and Weights

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

# Regulatory Compliance/Certifications

#### Agency Classification

CHINA-ROHS Above maximum concentration value

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted

