BLE120-085-SX-XFB



BLE120 Broadband Line Extender Amplifier, 1.2 GHz GaN output w/38 dB gain, 5-85 MHz/102-1218 MHz Bandpass split, 24 dB Upstream gain, Standard housing (full station), Powering option B

- *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 RequirementsBuild 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 24 dB

Bandpass Split 5-85 MHz / 102-1218 MHz

COMMSCOPE®

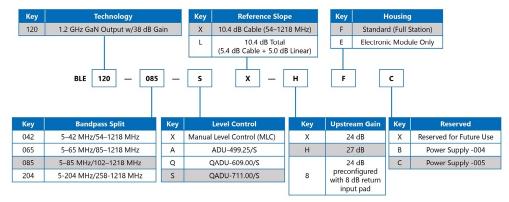
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Input Voltage Range, ac 44-90 V

Level Control QADU-711.00/S

Reference Slope 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 $-40 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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

