

MB120-085-XL-HFX



STARLINE® MB120 Broadband RF Amplifier, 1.2 GHz GaN output, 5-85 MHz/102-1218 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	MB120
Government Requirements	Build America Buy America (BABA) compliant*

General Specifications

Technology	1.2 GHz GaN output
Housing	Standard (Full station)
Location of Manufacturing	Waived per BABA waiver for BEAD Program

Dimensions

Width	243.84 mm 9.6 in
Depth	139.7 mm 5.5 in
Length	391.16 mm 15.4 in

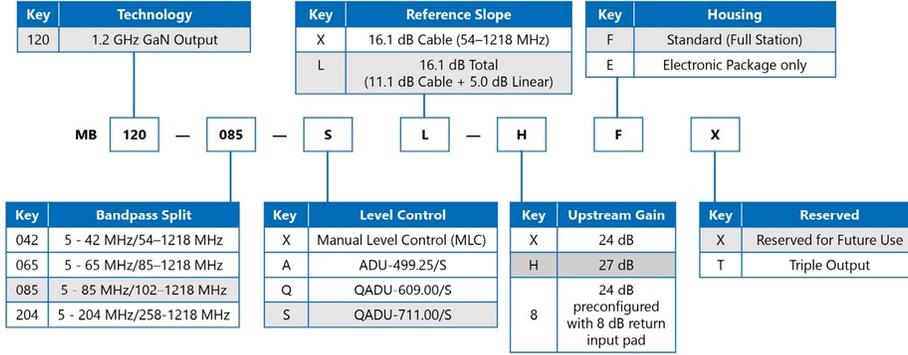
Electrical Specifications

Upstream Gain	27 dB
Bandpass Split	5-85 MHz / 102-1218 MHz

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Input Voltage Range, ac	38–90 V
Level Control	Manual Level Control (MLC)
Reference Slope	16.1 dB Total (11.1 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 °C to +60 °C (-40 °F to +140 °F)
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Packaging and Weights

Weight, net	6.804 kg 15 lb
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

