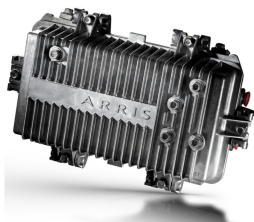


# MB120-204-AX-XXF



STARLINE® MB120 Broadband RF Amplifier, 1.2 GHz GaN output, 5-204 MHz/258-1218 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 ≥ 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 |

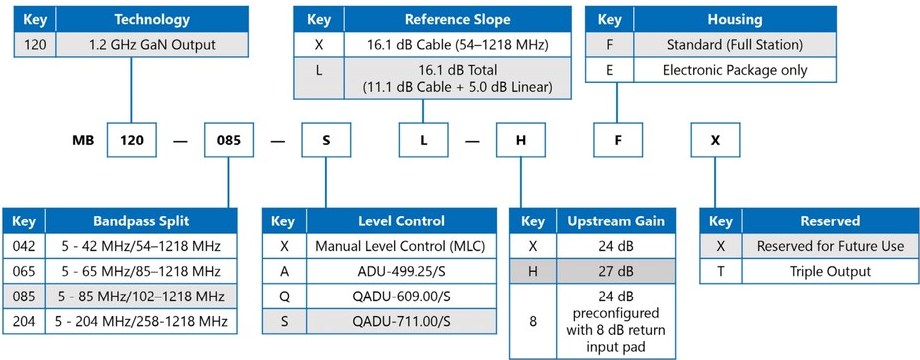
## Electrical Specifications

|                |                          |
|----------------|--------------------------|
| Upstream Gain  | 24 dB                    |
| Bandpass Split | 5-204 MHz / 258-1218 MHz |

# MB120-204-AX-XFX

|                         |                             |
|-------------------------|-----------------------------|
| Input Voltage Range, ac | 38–90 V                     |
| Level Control           | ADU-499.25/S                |
| Reference Slope         | 16.1 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 | 6.804 kg   15 lb |
|-------------|------------------|

## Regulatory Compliance/Certifications

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

