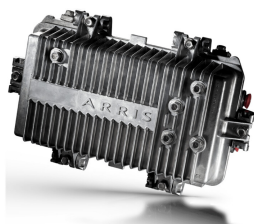


MB120-042-SX-XFX



STARLINE® MB120 Broadband RF Amplifier, 1.2 GHz GaN output, 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 ≥ 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 |

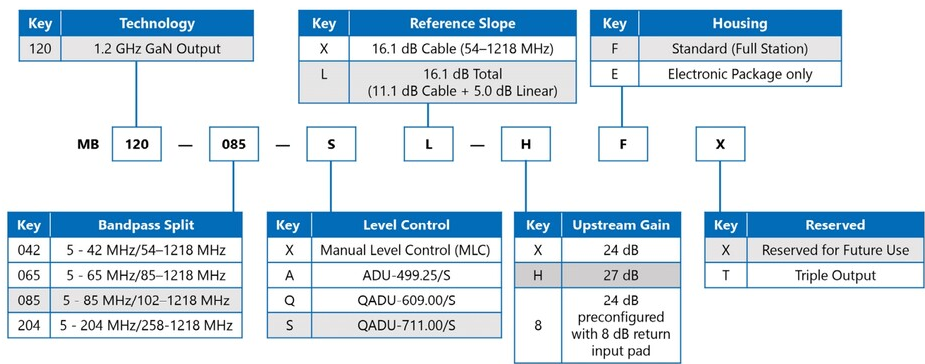
Electrical Specifications

| | |
|----------------|------------------------|
| Upstream Gain | 24 dB |
| Bandpass Split | 5-42 MHz / 54-1218 MHz |

MB120-042-SX-XFX

| | |
|-------------------------|-----------------------------|
| Input Voltage Range, ac | 38–90 V |
| Level Control | QADU-711.00/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 |

