## FMT12X042-AHH6C1N



Flex Max® FM902 Broadband Trunk Amplifier, 1.2 GHz GaN output (equal trunk & bridger output tilt), 42-54 MHz Bandpass split, 27 dB Upstream gain, Full station, 40-90 Vac Powering

- \*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 Flex Net 700/800/900 series and Flex Max 900 and 901 series housings
- Expanded return path bandwidth with support up to 204 MHz
- QAM and analog ADU options for automatic level control and gain hold in the event of pilot loss

#### Product Classification

**Regional Availability** Asia | Australia/New Zealand | EMEA | Latin America | North America

**Product Type** RF amplifier FM902

**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

**Product Series** 

Width 271.78 mm | 10.7 in Depth 135.89 mm | 5.35 in Length 406.4 mm | 16 in

### **Electrical Specifications**

**Upstream Gain** 27 dB

**Bandpass Split** 42/54 MHz

COMMSC PE

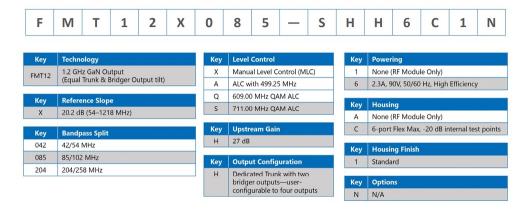
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Input Voltage Range, ac 40-90 V

**Level Control** 499.25 MHz ALC

**Reference Slope** 20.2 dB (54-1218 MHz)

## Ordering Tree



#### **Environmental Specifications**

**Operating Temperature** -40 °C to +60 °C (-40 °F to +140 °F)

Packaging and Weights

**Weight, net** 7.257 kg | 16 lb

#### Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Above maximum concentration value

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted

