FMT12X042-SHH6C1N



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

Product Series FM902

Government RequirementsBuild 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
 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

COMMSCOPE®

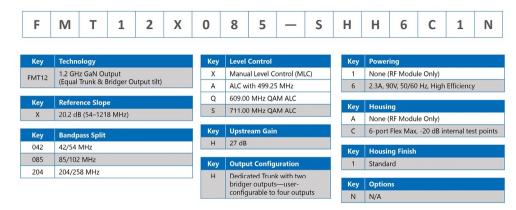
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Input Voltage Range, ac 40-90 V

Level Control 711.00 MHz QAM 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

