# FMT12X085-SHH6C1N



Flex Max® FM902 Broadband Trunk Amplifier, 1.2 GHz GaN output (equal trunk & bridger output tilt), 85-102 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 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	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	85/102 MHz

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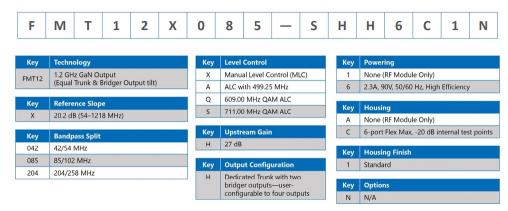
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Input Voltage Range, ac	40-90 V
Level Control	711.00 MHz QAM ALC
Reference Slope	20.2 dB (54-1218 MHz)

## 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



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