

# FML12X042-XHMPR1N



Flex Max® FM332 Broadband Line Extender, 1.2 GHz GaN output w/38 dB Gain, 42-54 MHz Bandpass split, 27 dB Upstream gain, Full station with 2 internal test points, 60-90 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
- Increased gain to allow drop in upgrades for ≥ 750 MHz spacing
- Modular RF Electronics package with upgradable frequency split options
- Mechanically compatible with legacy E7/FM330/FM331 amplifier housings
- 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 line extender
Product Series	FM332
Government Requirements	Build America Buy America (BABA) compliant*

## General Specifications

Technology	1.2 GHz GaN output w/38 dB gain
Housing	Standard (Full station)
Location of Manufacturing	Waived per BABA waiver for BEAD Program

## Dimensions

Width	243.84 mm   9.6 in
Depth	88.9 mm   3.5 in
Length	312.42 mm   12.3 in

## Electrical Specifications

Upstream Gain	27 dB
Bandpass Split	42/54 MHz
Input Voltage Range, ac	60–90 V

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Level Control	Manual Level Control (MLC)
Reference Slope	11.9 dB (54-1218 MHz)

## Ordering Tree

F	M	L	1	2	X	0	8	5	—	S	H	M	P	R	1	N
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Key	Technology
FML12	1.2 GHz GaN Output w/38 dB Gain
Key	Reference Slope
X	11.9 dB (54–1218 MHz)
Key	Bandpass Split
042	42/54 MHz
085	85/102 MHz
204	204/258 MHz

Key	Level Control
X	Manual Level Control (MLC)
A	499.25 MHz ALC
Q	609.00 MHz QAM ALC
S	711.00 MHz QAM ALC
Key	Upstream Gain
H	27 dB

Key	Output Configuration
M	-20 dB Internal Test Points
Key	Powering
P	1.0 A, 60-90V, 50/60 Hz power supply
Key	Housing
A	None (RF Module Only)
R	2 Port FlexMax Internal Test Points
Key	Housing Finish
1	Standard
Key	Options
N	N/A

## Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
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## Packaging and Weights

Weight, net	4.082 kg   9 lb
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## Regulatory Compliance/Certifications

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

