

FML12X042-SHMPA1N



Flex Max® FM332 Broadband Line Extender, 1.2 GHz GaN output w/38 dB Gain, 42-54 MHz Bandpass split, 27 dB Upstream gain, RF module only, 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	Electronic Module only
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	711.00 MHz QAM ALC
Reference Slope	11.9 dB (54-1218 MHz)

Ordering Tree

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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

