

FML12X085-SHMPR1N



Flex Max® FM332 Broadband Line Extender, 1.2 GHz GaN output w/38 dB Gain, 85-102 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	85/102 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

F M L 1 2 X 0 8 5 - S H M P R 1 N

Key	Technology	Key	Level Control	Key	Output Configuration
FML12	1.2 GHz GaN Output w/38 dB Gain	X	Manual Level Control (MLC)	M	-20 dB Internal Test Points
		A	499.25 MHz ALC		
		Q	609.00 MHz QAM ALC		
		S	711.00 MHz QAM ALC		
Key	Reference Slope	Key	Upstream Gain	Key	Powering
X	11.9 dB (54-1218 MHz)	H	27 dB	P	1.0 A, 60-90V, 50/60 Hz power supply
Key	Bandpass Split	Key	Housing	Key	Housing Finish
042	42/54 MHz	A	None (RF Module Only)	1	Standard
085	85/102 MHz	R	2 Port FlexMax Internal Test Points	Key	Options
204	204/258 MHz	N	N/A		

Environmental Specifications

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

Packaging and Weights

Weight, net 4.082 kg | 9 lb

Regulatory Compliance/Certifications

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

