



Flex Max® 3xx Series RF Amplifiers

FM321e 1GHz Line Extender Amplifier



- 1 GHz GaAs technology
- Optional GaN technology for higher output capability
- 9-LH 2 port housing base
- Optional 120/230 Vac local powering available
- Available in 40 and 42 dB gain Manual Level Control models, 33, 37 and 39 dB gain Thermal Level Control models and 33 and 35 dB gain Automatic Level Control (ALC) models
- QAM Pilot frequency available at 609.00, 645.00, or 711.00 MHz or legacy analog pilot frequency available at 423.25, 427.25, or 499.25 MHz
- Uses common legacy style equalizers and attenuators with guide pins
- Offers easy conversion path from Manual Level Control to Thermal or ALC via field accessible control circuit plug-in locations

In an environment where service and capacity strongly influence success, the ability to quickly - and with minimal disruptions - add capacity to existing networks provides operators with a significant competitive advantage.

The Flex Max® 321e 1 GHz line extender amplifiers are designed to extend existing systems or build out new networks when customers require a high output, compact 1GHz amplifier. Drop in module options are a cost effective way to upgrade networks with existing legacy 9-LH style housings to a 1 GHz architecture with minimal network disruption.

The Flex Max 321e provides excellent forward and return path performance with 1 GHz GaAs technology for improved distortion performance, minimizing system performance issues relative to Composite Second Order (CSO) and Composite Triple Beat (CTB). Optional GaN technology provides higher output capacity for extended reach or fiber deep applications.

The unit design provides slope and gain control flexibility in the forward path, minimizing amplifier respacing during upgrades.

The return path circuitry, installed on the PC board, uses a hybrid amplifier with an improved compression point and bit error rate (BER) for digitally loaded traffic. Directional coupler forward output and return input test points isolates forward output and return input signals from the effects of reflections in the cable. On the return output, an attenuator and an equalizer circuit controlled by a plug-in attenuator allow for accurate return path alignment (return test signals can be injected at the forward output test point).

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www.arrisi.com

Find more information about the Flex Max 321e 1GHz Line Extender Amplifier.

- Product Specifications—Flex Max 321e 1GHz Line Extender Technical Specifications (Publication Code: FM321e_TS.pdf)

Customer Care

Contact Customer Care for product information and sales

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