

WIDEBAND AMPLIFIERS MX900



- PUSH-PULL OUTPUT SCHEMATIC.
- STABLE PARAMETERS.
- MODELS WITH 30 AND 40 dB GAIN.
- MODELS WITH AND WITHOUT PASSIVE RETURN PATH
- OUTPUT TEST PORT.
- COMPACT ENCLOSURE.
- LOW POWER CONSUMPTION.

Wideband domestic amplifier is intended for television signal attenuation compensation in cable distribution network. Usually finish installed in amplifier chain of distribution and sub-distribution lines.

MX900 AMPLIFIER MODEL LINE

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Mains feeding	MX901-xx ¹⁾	MX951-xx
Remote feeding	MX911-xx ²⁾	MX961-xx ²⁾

SPECIFICATION

FORWARD PATH

Operating frequency range, MHz	48...862
Gain, dB	30±1 40±1
Flatness, dB	±0,75
Noise figure, dB, or less	6
Max output level, dBμV, not less at IMA III (B) –60 dB at IMA II (B) –60 dB	117 113
Group signal output level, dBμV, at distortion CSO –60 dB	102
Variable level control, dB	20
Variable slope control, dB	18
Return losses, dB, not less	14
Test port signal attenuation, dB	30
Mains operating voltage, V	198-242 / 50 Hz
Mains power consumption, W, or less	7
Remote operating voltage, V, AC V, DC	20...65 24...70

RETURN PATH

Frequency range, MHz	5–30...65
Losses for passive return path, dB or less	2

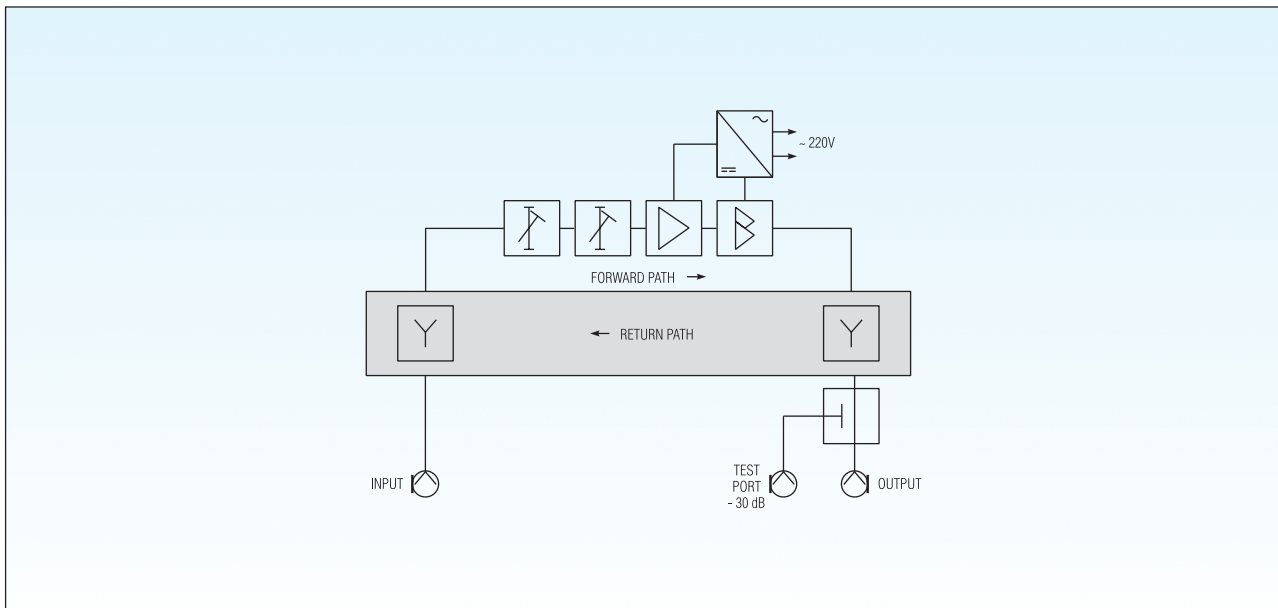
MECHANICAL SPECIFICATION

Connector types	«F»
Operating temperature range, °C	-20...+50
Dimension, mm	195x85x60
Weight, kg	0,55

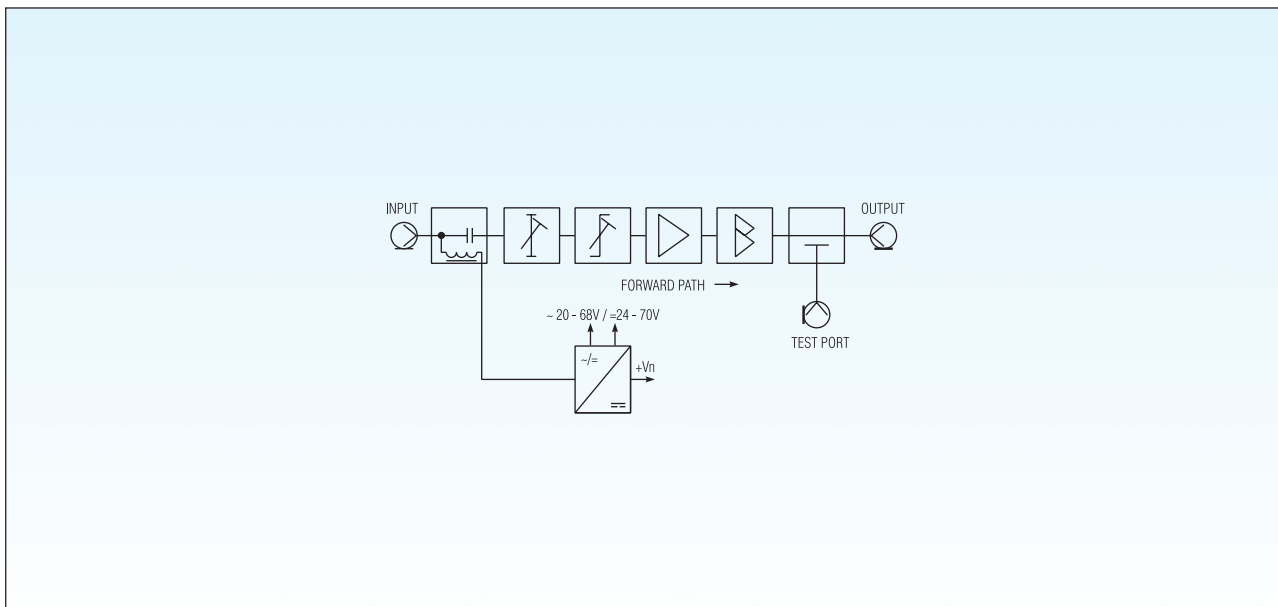
Note. xx – upper limit of return path range, MHz

²⁾ Feeding pass is made remotely by amplifier input or immediately to power supply input.

MX900 AMPLIFIER GENERALIZED STRUCTURE SCHEMATIC



MX961, MX911 AMPLIFIER STRUCTURE SCHEMATICS



AMPLIFIER MX900 MODEL 988 TECHNICAL SPECIFICATION

Wideband domestic amplifier with operating range up to 450 MHz.

Frequency range, MHz	48...450
Gain, dB	30±1
Flatness, dB	±0,5
Max output level, dBμV, not less at IMA III (B) -60 dB at IMA II (B) -60 dB	118 114
Variable level/slope control, dB	20/15