

1.2 GHz 2 WAY MINI TRUNK AMPLIFIER

[MTA1218-2-38/22-x-x]

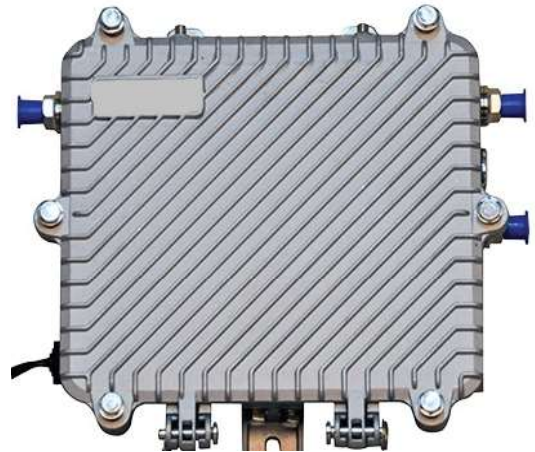
Taikan

Description

Taikan's MTA1218-2-38/22-x is a 1.2 GHz two-way, two output mini trunk amplifier. Its modular design allows integration of forward (downstream), and return (upstream) amplifier in one water-resistant unit. This reliable, high performance amplifier provides a cost effective solution for optimizing HFC TV networks.

Features

- 5-1218 MHz Bandwidth Range
- Forward Gain of 38 dB and Return Gain of 22 dB
- Modular Design with Detachable Amplifier and Power Supply
- Two 108 dBuV Output Ports, Each with a Built-in Attenuator
- 1.2 GHz Frequency Amplifier Platform with SMT Technology
- 1.2 GHz GaAs Double Power Amplifier Module Offers High Linearity and Fidelity
- Local and Remote Power Feeding Capability
- Rugged Outdoor Aluminum Alloy Die-cast Housing Offers Excellent Wat Resistance and Electromagnetic Shielding Performance
- Transistor Surge Arrester Resists Lightning and Surge Voltages
- Diplex Filter Option Offers Various Band Splits



Ordering Information

MTA1218-2-38/22 - x - x

220: AC220V: 150~250V
60: AC60V: 35~90V

42/54, 65/85, 85/110 MHz

Model Number	Description	Box Weight	Dimensions (L x W x H)
MTA1218-2-38/22-x-x	1218 MHz 2 Port Mini Trunk Amplifier	2.2 kg / 5 lbs	9.1 x 10.4 x 2.9 in. (29.0 x 26.5 x 7.5 cm)

Forward (Downstream) Specifications

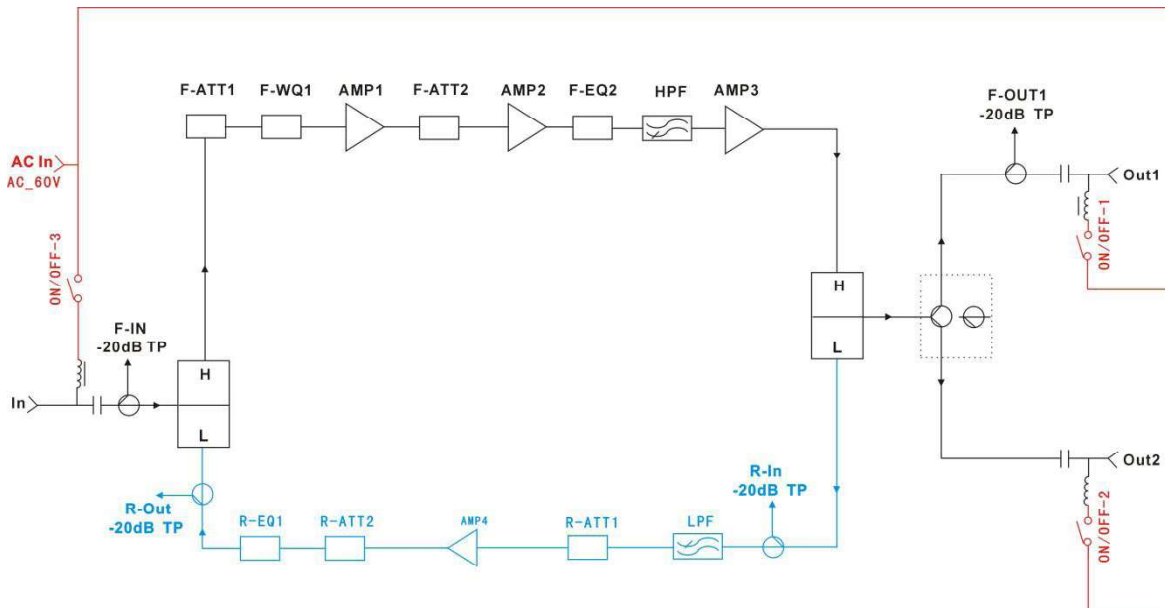
Forward (Downstream) Bandwidth	54/85/110 - 1218 MHz
Max Gain	38 dB
Flatness	± 0.75 dB
Return Loss	≥ 16 dB
Noise Figure	≤ 10 dB
Output Level Range	110 dBμV
Distortion*	CTB: ≥ 65 dB CSO: ≥ 68 dB
Group Delay	≤ 10 ns (112.25 MHz/ 116.68 MHz)
Test Point	-20±1 dB

Return (Upstream) Specifications

Return (Upstream) Bandwidth	5 - 42/65/85 MHz
Gain	22 dB
Flatness	± 0.75 dB
Return Loss	≥ 16 dB
Noise Figure	≤ 8 dB
Test Point	-20±1 dB

General Specifications

Operating Temperature	-20 to +55 °C (-4 to +131 °F)
Power Supply Voltage	AC 220V: 150~250V; AC60V 35~90V
Overcurrent Capability	7A
Impulse Withstand Voltage	5 (10/700μs) kV
Waterproof Level	IP67



*84ch PAL analog signal, EQ 8 dB, splitter output, 743.25 MHz 104 dBμV