

MOSSMAN

ZTA F Series Amplifier

DESCRIPTION

FEATURES

- ◆ Distribution Gain 38 dB;
- ◆ Plug-in Diplex Filter
- ◆ Fixed Pad & EQ
- ◆ Two output Ports
- ◆ 870 MHz RF Bandwidth
- ◆ Optional 1000MHz BW
- ◆ Pass Band filter to filter out low Band Noise
- ◆ Directional Test Point - 20dB
- ◆ Light aluminum alloy Housing
- ◆ Fin Housing design
- ◆ Excellent Heat dissipation
- ◆ Switching mode power supply
- ◆ Surge Protection



Mossman ZTA-F RF amp Series

RF Amplifier are High Gain; Low Noise; Trunk amplifier has two output port; Superior performance. Its Fixed Pad & EQ design with Plug in Diplex filter made it perfectly fit into any CATV network.

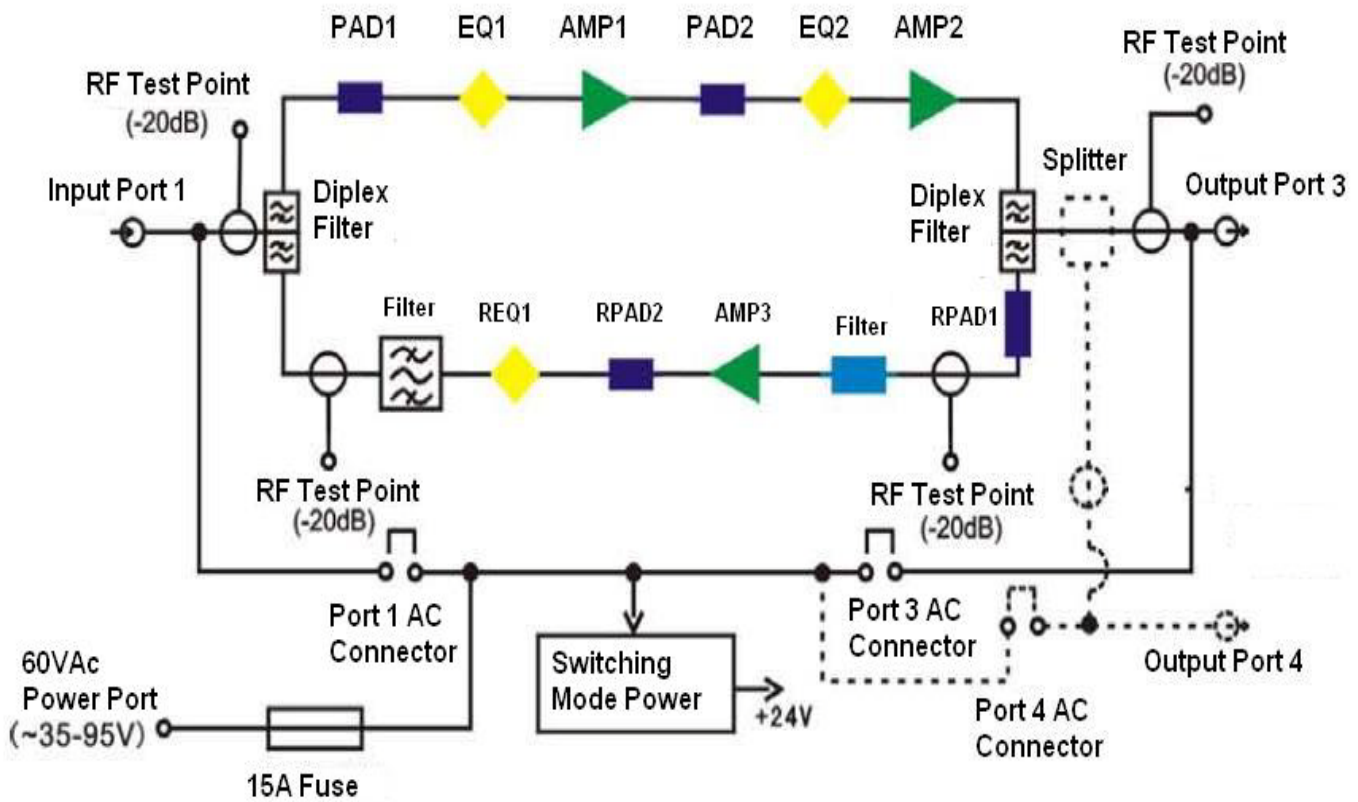
ZTA-F RF amp is 870MHz bandwidth with an Option as 1000MHz. It is an advanced , compact design, high gain, high output, 2-way amplifier. Its excellent Distortion performance improved the entire network performance. It provides PAD and EQ location for both input and inter-stage location in the forward path. This allow end user to fine tune the level and tilt in the forward Path. It has PAD at the input and output of Return Amplification. This allows adjustment on both input and output level of the Reverse Path.

Special features makes the amplifier has a stable output performance, more reliable and more robust to an unexpected environment changes. Features like Fin-housing design reduce the temperature of the RF module; Surge protection reduce the chance of failure due to lightning.

Mossman RF amp is the right choice for building up an cost effective CATV network!

BLOCK DIAGRAM

ZTA-F Series Block Diagram



*Specifications are Subject to change without notice.

SPECIFICATION

Part No.	ZTA-8CF-1D	
	Forward	Reverse
Bandwidth (MHz)	87-870	5-65
Flatness (dB)	+/-0.75	+/-0.6
Operational Gain (dB)	38+/-1	24
Gain @ Each Port	34	20
Typical Input Level (dBmV)	12	22+/-3
Typical Output Level @ port ^{Note 1}	50dBmV @870MHz	40dBmV {100dBμV}
Slope	0dB	0dB
CTB (dBc) ^{Note2}	>-67	>-75
CSO (dBc) ^{Note2}	>-65	>-72
Cross Modulation (dB)	>-65	>-70
Hum Modulation (dBc)	-60	-60
Noise Figure (dB)	<8	<10
Return Loss Output (dB)	>16	>16
PAD Range 1dB per step	0 ~ 20	0 ~ 20
Equalizer 1dB per step	0 ~ 20	0 ~ 20
Test Point, F5 Female	-20 +/- 1	20 +/- 1
Dynamic Range		20@NPR>50
Weight	3.0Kg	
Power Consumption	≤25Watt@60VAC	
Thunderstroke Immunity	5kV (10-700μs)	
Housing	IP67	
Dimension (WxHxL)	210x135x260(mm)	
Power	110Vac/220Vac/35-95Vac	
Operation Temp.	-40 to +60 Degree C	
RF Impedance	75Ohm	
Connector I/O	5/8" NEF Female/F-Female	

Note1: It is measured in 1 port Mode

Note2: Test is measured with 0dB Pad and 12dB EQ Plugged in.

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SPECIFICATION

Part No.	ZTA-1CF-1D	
	Forward	Reverse
Bandwidth (MHz)	87-1000	5-65
Flatness (dB)	+/-0.75	+/-0.6
Operational Gain (dB)	38+/-1	24
Gain @ Each Port	34	20
Typical Input Level (dBmV)	12	22+/-3
Typical Output Level @ port ^{Note 1}	50dBmV @1000MHz	40dBmV {100dBμV}
Slope	0dB	0dB
CTB (dBc) ^{Note2}	>-67	>-75
CSO (dBc) ^{Note2}	>-65	>-72
Cross Modulation (dB)	>-65	>-70
Hum Modulation (dBc)	-60	-60
Noise Figure (dB)	<8	<10
Return Loss Output (dB)	>16	>16
PAD Range 1dB per step	0 ~ 20	0 ~ 20
Equalizer 1dB per step	0 ~ 20	0 ~ 20
Test Point, F5 Female	-20 +/- 1	20 +/- 1
Dynamic Range		20@NPR>50
Weight	3.0Kg	
Power Consumption	≤25Watt@60VAC	
Thunderstroke Immunity	5kV (10-700μs)	
Housing	IP67	
Dimension (WxHxL)	210x135x260(mm)	
Power	110Vac/220Vac/35-95Vac	
Operation Temp.	-40 to +60 Degree C	
RF Impedance	75Ohm	
Connector I/O	5/8" NEF Female/F-Female	

Note1: It is measured in 1 port Mode

Note2: Test is measured with 0dB Pad and 10dB EQ Plugged in.

*Specifications are Subject to change without notice.

Ordering Matrix

ZTA	-	8	C	F	-	X	X	X
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SERIES	
8	870MHz
1	1000MHz

Frequency Split	
A	42/54 MHz
B	55/70 MHz
C	65/87 MHz

VERSION	
F	SF

Reverse	
0	No Reverse
1	Reverse Amp
2	Passive Reverse

Type	
D	Distribution Amp
L	Line Extender

Powering	
0	60Vac
1	110Vac
2	220Vac

