

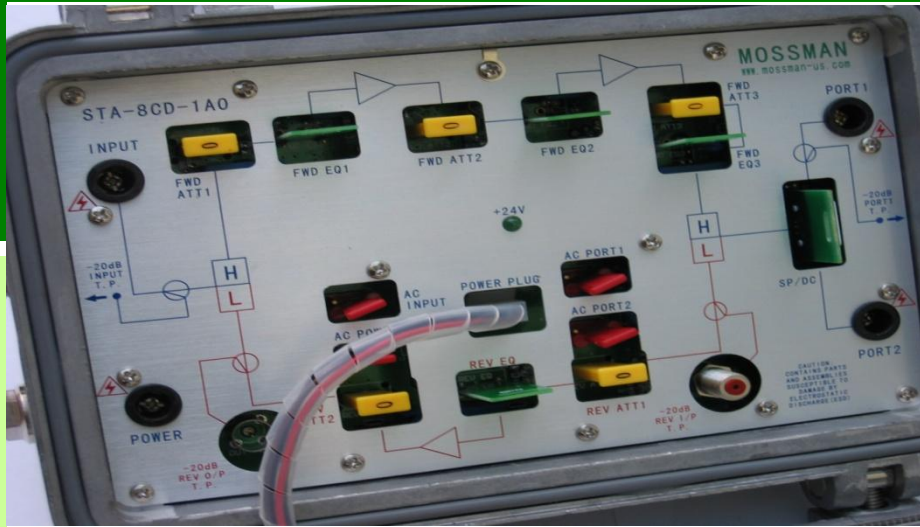
MOSSMAN

ZTA-8-DD2 Series

ZTA-8-DD2 Trunk RF Amplifier

FEATURES

- ◆ Distribution Gain 39 dB;
- ◆ Trunk Gain 35dB
- ◆ Line Extender 33dB
- ◆ Plug-in Diplex Filter
- ◆ Fixed Pad & EQ
- ◆ Two output Ports
- ◆ 870 MHz RF Bandwidth
- ◆ Directional Test Point
- 20dB
- ◆ Light aluminum alloy
Housing
- ◆ Fin Housing design
- ◆ Excellent Heat dissipation
- ◆ Switching mode power
supply
- ◆ Surge Protection



DESCRIPTION

Mossman ZTA-8-DD2 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-8-DD2 RF amp is 870MHz bandwidth, advanced , compact design, high gain, high output, 2-way amplifiers designed. Its excellent Distortion performance improved the entire network performance. It provide PAD and EQ location for both input and inter-stage location. This allow end user to fine tune the level and tilt. It allows Operator to tailor-made the network performance.

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; Directional test point gives a accurate measurement; Allow both input and output level adjustment on the Reverse amp make the installation much easier..

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

Distribution Amp SPECIFICATION

Part No.	ZTA-8CD-1D0-6	
	Forward	Reverse
Bandwidth (MHz)	87-870	5-65
Flatness (dB)	+/-0.75	+/-0.75
Operational Gain (dB)	39+/-1	20
Typical Input Level (dBmV)	15	20
Typical Output Level @ port (dBmV)	45/51dBmV @87/862MHz	40{ 100dB μV }
Slope	6dB	0dB
CTB (dBc) *1	>-69	>-75
CSO (dBc) *1	>-68	>-72
CM Cross Modulation (dB)	>-68	>-70
Hum Modulation (dBc)	-60	-60
Noise Figure (dB)	<8	<10
Return Loss Output (dB)	>16	>16
PAD Range 1dB per step	2,4,6,8,10,12	2,4,6,8,10,12
Equalizer 1dB per step *2	3,6,9,12,15,18	2,4,6
Test Point	-20 +/- 1	20 +/- 1
Power Consumption	21Watt	
Thunderstroke Immunity	5 (10-700μs)	
Power *	110Vac/220Vac/38-95Vac	
Operation Temp.	-20 to +60 Degree C	

At the range of 750MHz (112.25~743.25MHz) when testing the C/CTB and C/CSO, set 59 PAL-D imitate TV channels signal; set 59PAL-D imitate TV channels signal at the range of 862MHz (112.25~855.25MHz).Choose F1=65MHz, F2=63MHz and F3=57MHz to test when measuring index of max output level in upgo transmission.The index of "Carrier to Second Order Intermodulation Ratio" is tested under the condition of 110dBuV output level, and choose F1=10MHz, F2=60MHz and F3=50MHz three point to test

*Specifications are Subject to change without notice.

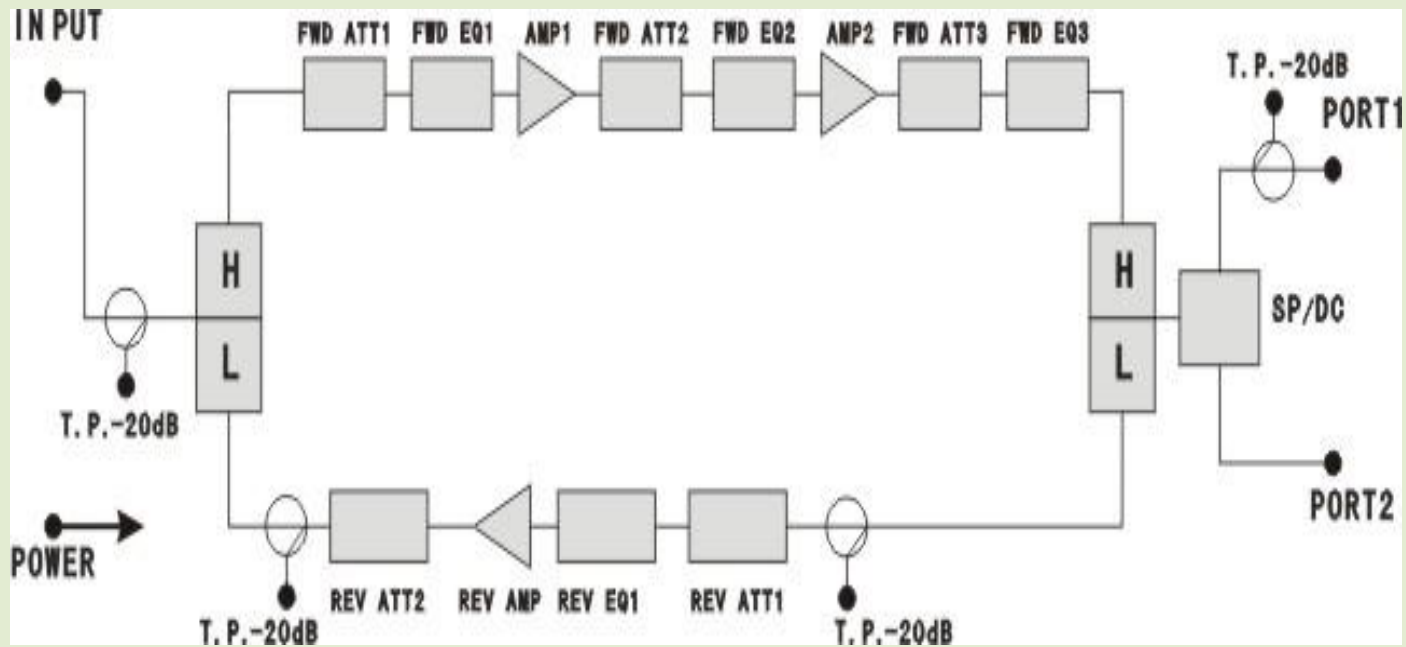
Trunk Amp SPECIFICATION

Part No.	ZTA-8CD-1T0-6	
	Forward	Reverse
Bandwidth (MHz)	87-870	5-65
Flatness (dB)	+/-0.75	+/-0.75
Operational Gain (dB)	35+/-1	20
Typical Input Level (dBmV)	15	20
Typical Output Level @ port (dBmV)	41/47dBmV @87/862MHz	40{ 100dB μV }
Slope	6dB	0dB
CTB (dBc) *1	>-71	>-75
CSO (dBc) *1	>-69	>-72
CM Cross Modulation (dB)	>-69	>-70
Hum Modulation (dBc)	-60	-60
Noise Figure (dB)	<8	<10
Return Loss Output (dB)	>16	>16
PAD Range 1dB per step	2,4,6,8,10,12	2,4,6,8,10,12
Equalizer 1dB per step *2	3,6,9,12,15,18	2,4,6
Test Point	-20 +/- 1	20 +/- 1
Power Consumption	21Watt	
Thunderstroke Immunity	5 (10-700μs)	
Power *	110Vac/220Vac/38-95Vac	
Operation Temp.	-20 to +60 Degree C	

At the range of 750MHz (112.25~743.25MHz) when testing the C/CTB and C/CSO, set 59 PAL-D imitate TV channels signal; set 59PAL-D imitate TV channels signal at the range of 862MHz (112.25~855.25MHz).Choose F1=65MHz, F2=63MHz and F3=57MHz to test when measuring index of max output level in upgo transmission.The index of "Carrier to Second Order Intermodulation Ratio" is tested under the condition of 110dBuV output level, and choose F1=10MHz, F2=60MHz and F3=50MHz three point to test

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Block Diagram



Ordering Matrix

