

## CATV Drop Amplifier

CT-84M



### INTRODUCTION:

Standard Amplifier, MoCA Ready

Forward gain 8dB, Passive Reverse, 4 RF Output

ILLUSTRATION ON NEXT PAGE →

### SPECIFICATIONS:

Parameters	Typical	Worst	Unit	Note
<b>Forward Path 54-1000 MHz</b>				
Gain	7.0	6.0	dB	
Flatness	± 0.7	± 1.0	dB	
Cross Modulation	-80	-75	dBc	(1)
Composite Triple Beat	-77	-73	dBc	(1)
Composite Second Order	-68	-62	dBc	(1)
Noise Figure	2.8	4.0	dB	
CNR		65	dB	(2)
Group Delay	CH2	20	ns	Span 3.58 MHz
	CH3	10	ns	Span 3.58 MHz
	CH5 >	5	ns	Span 3.58 MHz
<b>Return Path 5-42 MHz</b>				
Insertion Loss	-8	-8.5	dB	
Flatness	± 0.5	± 1.0	dB	
Group Delay	5-42 MHz	20	ns	Span 1 MHz
	10-36MHz	3	ns	Span 1 MHz
<b>General Specifications 5-42 MHz, 54-1000 MHz</b>				
Isolation	Output-Output	24 min	dB	HFC band
		30 max	dB	MoCA band (1125-1525MHz)
	Downstream	26 min	dB	MoCA band (1125-1525MHz)
		Upstream	36 min	dB
Impedance	75		Ohm	
Return Loss	20	18	dB	all ports
Hum Modulation	-85	-75	dB	
RFI		-100	dB	
Surge Withstand Capability	6kV 3kA, 8/20us Combo Wave IEEE 587 (C62.41-1991) Category B3 Standard			Fwd IN & Pwr Pack
	6kV 200A, 0.5-100KHz, Ring Wave IEEE 587 (C62.41-1991) Category A3 Standard			Fwd OUT
Operating Temperature	-40 to +60		°C	
Power Consumption	150		mA	15Vdc
Waterproof	Withstand 15 lbs/inch for 1 minute			All F Ports
Note:	(1) Input levels at +10 dBmV/CH (79 NTSC), plus digital after 550MHz at 6 dB set-back			
	(2) 10dBmV input ref for FWD CNR			

