

CATV Drop Amplifier CT-151M



INTRODUCTION:

Standard Amplifier, MoCA Ready

Forward gain 15dB, Passive Reverse, 1 RF Output

SPECIFICATIONS:

Parameter	Typical	Worst	Unit	Note	
Forward Path 54-1000 MHz					
Gain	14.0	13.0	dB		
Flatness	± 0.7	± 1.0	dB		
Cross Modulation	-83	-75	dBc	(1)	
Composite Triple Beat	-81	-73	dBc	(1)	
Composite Second Order	-72	-62	dBc	(1)	
Noise Figure	2.5	4	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	
Return Path 5-42 MHz					
Insertion Loss	-0.5	-1.5	dB		
Flatness	± 0.3	± 0.5	dB		
Group Delay	5-42 MHz	20	ns	Span 1 MHz	
	10-36MHz	3	ns	Span 1 MHz	
General Specifications 5-42 MHz, 54-1000 MHz					
Isolation	Downstream	16	dB min	MoCA band (1125-1525MHz)	
	Upstream	36	dB min	MoCA band (1125-1525MHz)	
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				