

# RMS Ultimate Series Drop Amplifiers

## With active return



Parameter	Note	Typical
<b>Forward Path 54-1002 MHz</b>		
Gain	RF OUT	15
Flatness		± 0.5
Cross Modulation	(1)	-75
CTB		-75
CSO		-65
Noise Figure		3
Group Delay	CH2	Span 3.58MHz
	CH3	
	CH5 >	
<b>Return Path 5-42 MHz</b>		
Gain		10
Flatness		± 0.5
2nd Order Intermodulation	(2)	-72
3rd Order Intermodulation		-60
Noise Figure		6
Group Delay	5-42MHz	Span 1MHz
	10-36MHz	
<b>General Specifications 5-42 MHz, 54-1002 MHz</b>		
Impedance		75
Return Loss		20
Hum Modulation		-80
RFI		
Surge Withstand Capability	RF IN	6kV 3kA, Combo Wave IEEE (C62.41-1991) Category B3 Standard
	RF OUT	6kV 200A, Ring Wave IEEE (C62.41-1991) Category A4 Standard
Operating Temperature		-40 to +60
Power Consumption	DC15V	280 mA
Waterproof		Withstand 15 lbs/inch for 1 minute

**Note:**

(1) Input levels at +10 dBmV/CH (79 NTSC), plus digital after 550MHz at 6dB set-back.

(2) 60dBmV rev output level on each of 19,25,31MHz carriers, 2nd order measured on 12MHz and 3rd order measured on 37MHz.

## RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA

Phone (704) 588-4008

[www.rmscommunications.net](http://www.rmscommunications.net) Email: [sales@rmscommunications.net](mailto:sales@rmscommunications.net)