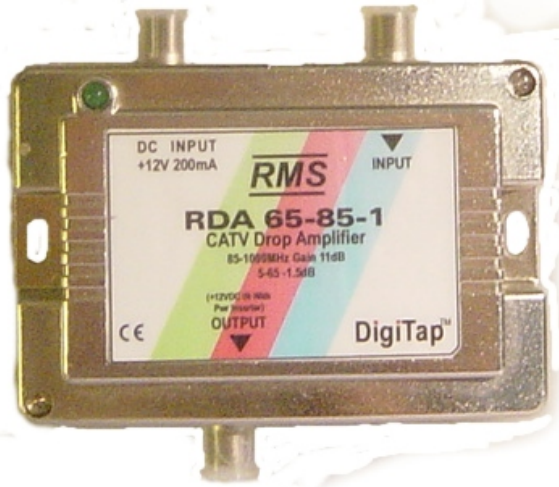


# RDA-65/85 Drop Amplifier

1-Way 65/85 Split (Passive Return)



The RMS RDA-65/85-1 is RMS's deluxe 65/85 split drop amplifier. This unit has a LED power indicator and comes complete with a 220V power supply.

## Features:

- Forward Bandwidth 85MHz -1000MHz
- Return bandwidth 5MHz - 65MHz (Passive)
- RFI Shielding >-100dB
- Forward gain 11dB
- Excellent port to port isolation to prevent damage to your digital signals caused by micro reflections
- Double sided through hole plated FR4-G10 printed circuit board
- Multiple grounding points from PCB to housing for superior total bandwidth characteristics
- High reliability Monolithic IC (MMIC)
- Extensive use of SMD components
- Dual powering options
- Optional power inserter (RDA-P1)
- UL & CSA approved power supply
- Nickel plated heavy-duty zinc alloy die cast housing
- Tongue and groove back plate with neoprene and wire mesh gaskets for superior RFI and weather proof protection
- Precision machined F ports
- Flat 360 degree "F" ports assures complete sealing of grommets
- Power LED indicator
- Universal type mounting holes for easy positioning & installation
- Heavy duty grounding screw
- Each unit is individually packaged
- AC adapter included
- CE approved

RMS Communications Inc

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# RDA-65/85 Drop Amplifier

65/85 Split (Passive Return)

Parameter	Typical	Minimum	Maximum
<b>Forward Path</b>			
Forward Path Freq. Range	85-1000MHz		
Gain 85-100MHz	11.0 dB	11.0 dB	13.0 dB
100-750MHz	12.0 dB	11.5 dB	13.5 dB
750-1000MHz	13.0 dB	11.8 dB	14.0 dB
Return Loss (Input/Output)			
85-100MHz	20.0 dB	16.0 dB	
100-750MHz	20.0 dB	16.0 dB	
750-1000MHz	20.0 dB	16.0 dB	
Noise Figure @70°F	3.3dB		4.5 dB
Composite Second Order Distortions	-65 dBc typ.		
Composite Triple Beat Distortions	-65 dBc typ.		
Cross Modulation Distortions	-76 dBc typ.		
Hum Modulation	-70 dBc typ.		
Group Delay@ 85-150MHz	<50 ns		
Group Delay@ 150-250MHz	<10 ns		
Group Delay@ 250-1000MHz	<5 ns		
Rated Output level @ 160 Channels, 6MHz ea.	23.0 dBmV		
<b>Input level @ 160 Channels, 6MHz ea.</b>	<b>8.0 dBmV</b>		
Power Consumption	175mA		
<b>Return Path (Passive)</b>			
Return Path Freq. Range	5-65MHz		
loss 5-55MHz	0.5 dB	0.4 dB	0.6 dB
55-65MHz	0.6 dB	0.5 dB	0.7 dB
Return Loss (Input/Output)			
5-55MHz	20.0 dB	18.0 dB	
55-65MHz	20.0 dB	18.0 dB	
Noise Figure @70°F	N/A		N/A
Composite Second Order Distortions	N/A		
Composite Triple Beat Distortions	N/A		
Cross Modulation Distortions	N/A		
Hum Modulation	N/A		
Group Delay@ 5MHz	N/A		
Group Delay@ 35MHz	N/A		
Group Delay@ 65MHz	N/A		
Rated Output level @ 10 Channels, 6MHz ea.	N/A		
<b>Input level @ 10 Channels, 6MHz ea.</b>	<b>N/A</b>		
Power Consumption	N/A		
RFI Shielding	>100dB		
Nominal Impedance	75 Ohm		
Supply Voltage (DC)	12~15V		

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