

Reverse Amplifier Module Model IPARM / Reverse Amplifier Model IPRA1001

Features

Reverse Amplifier Module Model IPARM

- Add Reverse Amplification To A Forward Amplifier
- Unique Direct-Connect *FIC Port™* Eliminates Jumpers
- Reverse Module Powers The Forward Amplifier Eliminating The Need For Dual Power Supplies

Stand-Alone Reverse Amplifier Model IPRA1001 (All F-Ports)

- Rugged Push-Pull Circuit handles High Power Levels with Low Distortion



Parameter	Infinity Premise™ Subscriber Amplifier Series		
Forward	IPRA1001 Reverse Amplifier / IPARM Reverse Module Module		
Frequency Range	52 MHz to 1000 MHz		
Frequency Response	± 0.5 dB		
Insertion Loss	0.8 ± 0.8 dB		
Output Impedance	75 ohm		
Return Loss (Input and Output)	> 22 dB		
HUM Modulation	-80 dBc		
Group Delay, Forward	< 20 nSec (-3.58 MHz span) ch. 2-5		
	< 5 nSec (-3.58 MHz span) ch. 6+		
RF Port-to-Power Port Isolation	> 70 dB		
Reverse			
Frequency Range	5 MHz to 42 MHz		
Gain	10.5 ± 1 dB		
Return Loss	> 22 dB		
Frequency Response	± 0.5 dB		
2nd Order Distortions (1)	-72 dBc		
3rd Order Distortions (2)	-60 dBc		
1 dB Compression	73dBmV		
Noise Figure	5.5 dB		
Group Delay, Reverse	< 5 nSec (8 MHz to 38 MHz, 1.5 MHz span)		
	< 20 nSec (5 MHz to 42 MHz, 1.5 MHz span)		
Other			
Surge Withstand	IPRA1001 Forward Input Port	IEEE C62.41-1991 Category B3 Combination Wave 6KV, 3KA;	
		IEEE C62.41-1991 Category B1 Combination Wave 1KV, 500A;	
	IPRA1001 & IPARM All Other Ports	IEEE C62.41-1991 Category A3 Ring Wave 6KV 200A	
EMI	> 130 dB		
Dimensions (W x D x H)	2 15/16" x .75" x 3.75"		
Power Consumption	120 ma @ 15 v		
Environmental			
Temperature	-40° F to + 140° F		
Water proof	15 psi		
Note 1	f2=12MHz	fa=19MHz, fb=25MHz, fc=31 MHz	@+60dBmV
Note 2	f3=37MHz	fa=19MHz, fb=25MHz, fc=31 MHz	@+60dBmV

Specifications Compliant Throughout Operating Temperature Of -40-C to +60-C And Are Subject To Change Without Notice © 2005-2006 Extreme Broadband Engineering LLC. All rights reserved. Extreme Broadband Engineering is a registered trademark. Infinity Premise™ is a trade of Extreme Broadband Engineering. Infinity Premise Amplifiers And All Infinity Premise Modules Are Patent Pending. The unique Splitter Modules are patent protected under *US Patent number: 6969278.