



**N2231**

**One Port Drop Amplifier**



**N2234**

**Four Port Drop Amplifier**

### FEATURES AND SPECIFICATIONS

- The 1 GHz high quality multimedia drop amplifier
- Low noise amplification for broadBand signals
- Active forward with passive reverse
- Power adapter and power inserter available for local or remote powering
- Zinc alloy die-casting housing making free from RFI and heat-sinking problem; EMI>120dB
- FR4 PCB for consistency of specifications in all bandwidth
- Gold-plated, round beryllium copper seizers
- 6 kV surge withstand on Input Port ( B3); 6KV surge withstand on Output Port(s), Power Port and Power Pack (A3)

Model	N2231	N2234
<b>Forward</b>	<b>One Port</b>	<b>Four Port</b>
Channel Loading	77 NTSC analog + 124, 256 QAM digital @ -6dB to analog	
Rated Output Level (Tested At)	25dBmv	18dBmv
Rated Output Slope	0.5dB max	
CTB (After Surge)	-75	-75
XMOD (After Surge)	-75	-75
CSO (After Surge)	-62	-62
HUM Modulation	≥75 dB	
Noise Figure - as measured at output of DUT	≤4.0dB	≤5dB
Group Delay, Forward	<20nSec (-3.58 MHz span) ch. 2-5 <5nSec (-3.58 MHz span) ch. 6+	
Group Delay, Reverse	<20nSec (1.5 MHz span) 5-40 MHz	
RF Port-to-RF Port Isolation	NA	≥25dB
RF Port-to- Power Port Isolation	≥55dB	
<b>Reverse</b>		
Frequency Range	5MHz to 42MHz	
Insertion Loss	1.2dB (Max)	8dB (Max)
Return Loss	≥18 dB	
Frequency Response	±0.5dB	