

1GHz CATV Drop Amp

15dB Drop Amplifier



Product Description

The 1GHz RF Drop Signal Amplifier with 15dB Forward Gain is used for signal compensation in the subscriber's home for cable TV. The product features low noise, low distortion and excellent return loss for the optimum signal performance and the clearest picture possible. In addition, these Suttle amps are solder sealed with a powder coat housing for superior shielding and waterproofing performance.

Specifications *(typical - limit)*

Gain (dB)

5-42 MHz	15 - 14
54-1000 MHz	15 - 14

Flatness (Va. +/- dB)

5-42 MHz	±0.3 - ±0.5
54-1000 MHz	±0.7 - ±1.0

Insertion Loss (Max dB)

5-42 MHz	1.0 - 1.5
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Return Loss (Min dB)

5-1000 MHz	18 - 16
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Xmod (-dBc) ----- 75 - 65

Comp. Triple Beat (-dBc) ---- 80 - 70

Comp. Second Order (-dBc) - 70 - 60

Hum Modulation (-dBc) ----- 75 - 65

Noise Figure (dB) ----- 3.5 - 4.0

RFI Shielding

5-1000 MHz	> -100dB
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Group Delay (Max)

1.5MHz Span	
5-42 MHz	30ns
10-36 MHz	10ns
3.58MHz Span	
CH2~CH5	30ns
Other Channel	10ns

Surge Withstand Capability

Fwd In Port	IEEE C62.41-1991, 100kHz ring Wave, Category A3 (6kV / 200A)
Fwd Out Put	IEEE C62.41-1991, 100kHz ring Wave, Category A3 (6kV / 200A)

Operating Temperature ----- -40 °C to +60 °C

Power Supply Voltage ----- 12V

Power Connector ----- F-Type

Part #	Description
AMP1-15	1GHz CATV drop amplifier, 15dB gain, passive return w/ transformer