

Toner

DDA Series Cable TV Drop Amps

Toner
cable equipment, inc.
www.tonercable.com



The Toner DDA (Digital Drop Amp) is the newest drop amp model available from Toner. These RF amplifiers feature a precision compact die cast aluminum housing for superior performance and so they can be fitted into the tightest of spaces. Four different amplifier models are available to fit just about any installation requirement. Two with passive reverse (1 and 4 output) and two with active reverse (1 and 4 output). Frequency range is 5 to 47 MHz reverse and 54 to 1000 MHz forward. Each drop amplifier features a bypass circuit so in case of a power failure, the amplifier will pass the RF signal through.

Features

- 2 Way Drop Amplifiers
- 5-1000 MHz
- Active & Passive Reverse Models
- 1 or 4 Output Models
- Very Low Distortions
- Water Resistant Connectors
- -100 dB RFI
- 15 dB Forward Gain
- 6 KvA Ring Surge Capacity
- 12-15 VDC Powered
- 6' Coax Jumper Included
- UL Listed Power Transformer Included
- Remote Powering Via Output Cable

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DDA Series
Cable TV Drop Amps

Model	DDA-1501	DDA-1501 ^o	DDA-804	DDA-804A
Forward				
Frequency Range	54-1000 MHz	54-1000 MHz	54-1000 MHz	54-1000 MHz
Gain (Typical)	15.0 dB	15.0 dB	8.0 dB ^a	8.0 dB ^a
Number Of Outputs	1	1	4	4
Flatness	±0.5 dB	±0.5 dB	±0.5 dB	±0.5 dB
Output Isolation	N/A	N/A	25 dB	25 dB
Cross Modulation (X-Mod)	-75 dBc	-75 dBc	-75 dBc	-75 dBc
Composite Triple Beat (CTB)	-75 dBc	-75dBc	-75 dBc	-75 dBc
Composite Second Order (CSO)	-65 dBc	-65 dBc	-65 dBc	-65 dBc
Hum Modulation	-70 dBc	-70 dBc	-70 dBc	-70 dBc
Noise Figure	3 dB	2.5 dB	3.8 dB	3.8 dB
Group Delay CH 2	20 ns	N/A	20 ns	N/A
Reverse				
Frequency Range	5-47 MHz	5-47 MHz	5-47 MHz	5-47 MHz
Gain	Passive	10.0 dB	Passive ^a	3.0 dB ^a
Insertion Loss	-1.0 dB	N/A	-7.0 dB	N/A
Flatness	±0.75 dB	±0.75 dB	±0.75 dB	±0.75 dB
Output Isolation	N/A	N/A	25 dB	25 dB
Discrete Third Order (DTO)	-60 dBc	N/A	-60 dBc	N/A
Discrete Second Order (DSO)	-70 dBc	N/A	-70 dBc	N/A
Noise Figure	N/A	8.0	N/A	15.0 dB
C/N				
Common Specifications				
Return Loss	20 dB			
Impedance	75 Ohm			
Connector Type	F Female			
RFI	-100 dB			
Operating Temperature Range	-40 to +60°C			
Surge Capacity	6kV, 2kA, 0.5-100 KHz Ring Wave			
Water Resistance	Tested to 15 Inch Pounds			
Power Requirements	12 to 15 VDC / 290 mA Max			
Size	4-7/16"L x 2-9/16"W x 1.1/4"H			
Weight (Shipping)	1.6 lbs			
Notes	a. Includes the insertion loss of the 4 way split			