



PIDA Series

Broadband Bi-Directional Push-Pull Distribution Amplifiers



PIDA Series

Broadband Bi-directional Push-Pull Distribution Amplifiers

- 54~1000MHz (CATV 2~158) and 5~36MHz reverse bandwidth (CATV T7~T11)
- 30dB forward path gain and 20dB or passive reverse path gain (switchable) for maximum flexibility
- ±0.75dB flatness across band provides low distortion and excellent frequency response
- Employs dual state-of-the art push-pull hybrid technology for very low distortion, high input and output capability
- Optional plug-in equalizers and attenuators enable unity gain and slope system balancing for minimum distortion
- -30dB input and output test points enable simplified setup and performance monitoring without service interruption
- Built-in lightning and line-voltage surge protection protects the unit from damage
- External UL approved power supply

Available Attenuator (AT) and Equalizer (EQ) Values (dB)



PIDA-AT9

PIDA-AT6	PIDA-EQ6
PIDA-AT9	PIDA-EQ9
PIDA-AT12	PIDA-EQ12
PIDA-AT18	PIDA-EQ18

PIDA-550

Total # of Channels	Input Level (dBmV)	Output Level (dBmV)
12	19	51
24	16	48
36	15	47
48	13	45
72	12	44
82	11	41

PIDA-1000

Total # of Channels	Input Level (dBmV)	Output Level (dBmV)
12	23	53
24	20	50
36	19	49
48	17	47
72	16	46
96	14	44
144	13	43
158	12	42

Specifications

Bandwidth-PIDA-1000	5~1000MHz
Bandwidth-PIDA-550	5~550MHz
Gain (FWD)	54~1000 MHz 30dB
Gain (REV)	5~36 MHz 20dB
Max. Output (158 ch.) PIDA-1000	42dBmV
Max. Output (82 ch.) PIDA-550	43dBmV
Flatness	0.5dB
Noise Figure (FWD)	5dB
Noise Figure (REV)	4dB
Composite Second Order(FWD)	60dB
Composite Triple Beat (FWD)	58dB
Input Test Point Loss	30dB
Output Test Point Loss	30dB
Power Input	27VAC, 1.2A

Power Required	26Watt
Dimensions	11" (L) x 3.25" (D) x 7" (W)
Weight	6.2 lbs

Ordering Information

PIDA-550	550MHz Amplifier
PIDA-1000	1000MHz Amplifier
PIDA-AT	AT Value 6, 9, 12, 18dB Attenuator
PIDA-EQ	EQ Value 6, 9, 12, 18dB Equalizer
PIDA-PS	Power Supply
PIDA-PS/220	Power Supply for 220