

SATELLITE AMPLIFIERS

■ MODELS PAL*-T : LA-* : NA2530A-T : PA2530A-T : TA2330D-T



PAL SERIES



LA SERIES



NA/PA/TA SERIES

■ FEATURES

- High Return Loss
- Flat Signal Response
- Slope Compensation
- Multiple Powering Options
- Automatic Gain Control (PAL Series)
- Ka Models Available

▼ CUSTOMER NOTES:

PAL1-T, 5-T, 10-T, 20-T, 30-T AUTO GAIN CONTROL DISTRIBUTION AMPLIFIERS

The **PAL Series** amplifiers provide unmatched auto leveling/auto gain performance. Within fractions of a second they respond to signal strength variations due to rain fade and atmospheric variables to provide a constant and stable fixed output, making it ideal for MDU Distribution. The **PAL** amplifiers come in -1, -5, -10, -20 and -30 dBm power outputs.

LA-141A, 142A, 143A LINE AMPLIFIERS

The **LA Series** drop amplifiers compensate for approximately 200 feet of coaxial cable loss between the LNB & DBS receiver. They offer 14 dB of gain and 4 dB of slope compensation. These amplifiers are receiver powered, outdoor capable and pass 22 kHz/DiSEqC control signals.

NA2530A-T : TA2330D-T FIXED GAIN DISTRIBUTION AMPLIFIERS

The **NA2530A-T** & **TA2330D-T** fixed gain amplifiers, with their slope compensation and high return loss, make them ideal for driving DBS distribution systems.

The **TA2330D-T** model powers dual LNB's. The **NA2530A-T** also comes in a dual input/dual output model.



SATELLITE AMPLIFIERS

SPECIFICATIONS

FORWARD PATH	PAL1-T,5-T,10-T,20-T,30-T	LA-141A,142A,143A	NA2530A-T	TA2330D-T
Frequency	950 - 2150 MHz	250 - 2400 MHz	250 - 2150 MHz	950 - 2150 MHz
Gain	20 dB (PAL-1,5,10) 30 dB (PAL-20,30)	14 dB	30 dB	30 dB
Gain Adjust Range	Auto-Leveling	Fixed	Fixed	Fixed
Maximum Input (32 Trns.)	-21, -25, -29, -31, -35 dBm	-28 dBm	-31 dBm	-27 dBm
Maximum Output (32 Trns.)	-1, -5, -10, -20, -30 dBm	-14 dBm	-1 dBm	+3 dBm
Slope	7 dB	4 dB	3 dB	5 dB
Flatness	± 0.2 dB	± 0.2 dB	± 0.2 dB	± 0.2 dB
Noise Figure	7 dB	7 dB	7 dB	7 dB
Input Return Loss	12 dB	15 dB	10 dB	12 dB
Output Return Loss	13 dB	13 dB	12 dB	14 dB
GENERAL				
Power Requirements	14 - 20VDC	12 - 22VDC	15 - 24VDC	24VDC
Operating Temperature	0° to 50° Celsius	-30° to 70° Celsius	0° to 50° Celsius	0° to 50° Celsius
Dimensions	5.5" x 4.5" x 1.5"	4" x 3" x .75"	5.5" x 4.5" x 1.5"	8.5" x 4.5" x 1.5"
Weight	1.8 lbs.	.5 lbs.	1.9 lbs.	1.7 lbs.

* Please see the satellite section (page 111) for dishes, stackers & satellite accessories.