

Advanced • TV™

ATG20P GAP-FILLER



OFFERING INDUSTRY-LEADING BROADCAST SOLUTIONS—EMPOWERING BROADCASTERS TO DO MORE WITH LESS.



FAST FORWARD TO DIGITAL WITH LINEAR PERFORMANCE

LINEAR has a complete range of cost-effective, high performance flash-cut exciter and transmitter solutions to get you on the air fast. You can easily upgrade a current operation to improve performance in weak signal areas, and more readily target population centers with a lower power option. Our Advanced TV™ ATG20P Gap-filler can be used as a distributed translator network on the same channel and can improve signal levels for your mobile ATSC needs.

LINEAR hardware and software provides best-in-class performance and may eliminate the expense of a higher power transmitter. Proprietary digital pre-correction algorithms for non-linearity and equalization on passive components set us apart from the competition—along with our low cost of entry into the digital world.

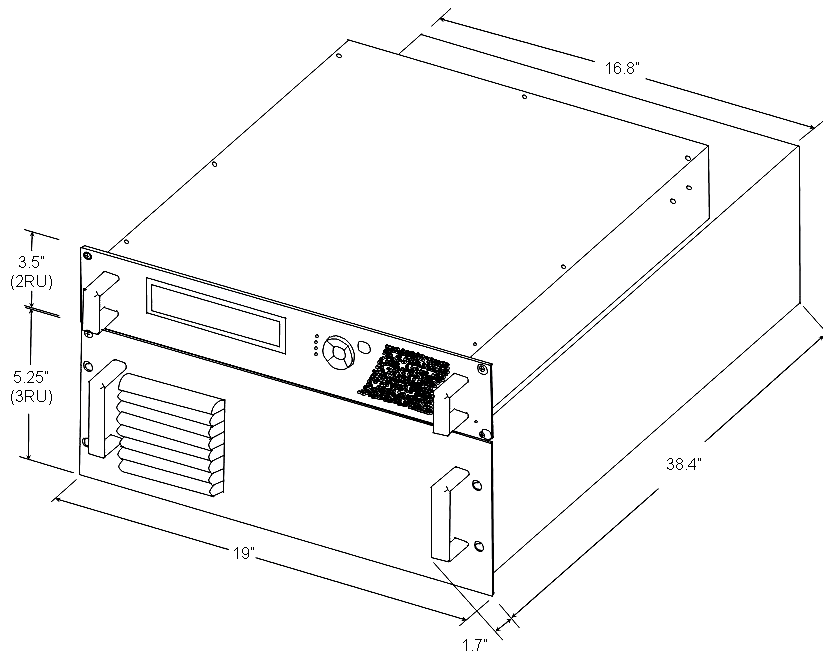
Not just digital. Better digital.™

Contact us today for more information.

ATG20P GAP-FILLER

FEATURES

- ▲ 20 W RF Output
- ▲ Echo Cancellation
- ▲ Automatic Gain Control
- ▲ "One-click" linear and non linear pre-correction
- ▲ Automatic Power Limit
- ▲ Gain-margin monitoring
- ▲ Front panel 4 line x 40 column digital display
 - Operational status, ON AIR, Power ON
 - Error indication, current and past alarms



TECHNICAL SPECIFICATIONS

Electrical

R.F. Power Output	20 W - N Connector
Mains	208 or 240 - 2 wire + Ground
Consumption	250 W

RF Input

Frequency Range	UHF, Ch 14 - 69
Active Bandwidth	6 MHz
RF Dynamic Range	-75 dBm to -10 dBm
Return Loss	> 13 dB
Noise Figure	< 8 dB

RF Output

Frequency Range	UHF, Ch 14 - 69
Active Bandwidth	6 MHz
Output Power	20 W +/- 2%
Return Loss	> 25 dB
Frequency Response Ripple	+/- 1 dB

Performance

Shoulders	<- 53 dB at CF +/- 3.15 MHz
MER	> 36 dB
Echo Attenuation	> 40 dB
Minimum Transition Time	<5μS

Mechanical

Cooling	Forced Air
Dimensions	5 RU (H) 19" (W) 38.4" (D)
Weight	35.2 LBS

APPLICATIONS

- ▲ Improve coverage in weak or shadow areas
- ▲ Serve audiences in difficult topographies

OPTIONS

- ▲ Remote Supervision via Web Server Ethernet
- ▲ 19" Rack cabinet



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