



ATSC 3.0 Translator



Introduction

The Anywave UHF/VHF **ATSC 3.0 TRANSLATOR** provides the broadcaster with a simple and efficient solution to receive an ATSC3 signal off-air on one channel and rebroadcast the same ATSC3 signal on another channel. The power capability of these forced air cooled Solid State (50V LDMOS technology) translators range from 120W to 2200W ATSC 3.0 (other power levels available - power levels before filter).

Key Features

- ✓ Broadband – fully broadband across their respective bands - UHF from channel 14-36
- ✓ Modular for better reliability and ease of maintenance
- ✓ Latest Power Amplifier LDMOS Technology – UHF implements latest Asymmetrical Doherty design for exceptional efficiency and cool operation
- ✓ Wide dynamic range – handles large range of incoming signal amplitudes
- ✓ Powerful Adaptive Pre-correction
- ✓ Real time measurement and display of Receive Signal Strength (RSSI) and Received Signal to Noise Ratio (RSNR)
- ✓ Remote control via Web Browser

Specifications

RF Input

Frequency: UHF, VHF Band III and I
 Level: -74 dBm ~ -24 dBm
 Connector: F-type, female, 75 Ω
 Noise Figure: VHF 7 dB, UHF 9 dB

RF Output

Frequency: UHF, VHF Band III and I (specify w/order)
 Output Power: up to 2200W (reference tables)
 Connector: N-type, 7-16 DIN, 1-5/8 (per power level)

ATSC3 Translator - UHF			
Output Power (RMS) ATSC3 ⁽¹⁾	160	320	640
Output Connector	"N"	"N"	7-16 DIN
Band	UHF		
AC input frequency	50/60 Hz		
AC input voltage	120 VAC Single φ	240 VAC Single φ	
Consumption - Max - W	530	1000	1900
Current rating - Max - A	4.4	8.3	7.9

ATSC3 Translator - VHF BIII ⁽²⁾			
Output Power (RMS) ATSC3 ⁽¹⁾	160	320	640
Output Connector	7-16 DIN	7-16 DIN	7-16 DIN
Band	VHF Band III		
AC input frequency	50/60 Hz		
AC input voltage	240 VAC Single φ		
Consumption - Max - W	830	1570	3080
Current rating - Max - A	3.5	6.5	12.8

ATSC3 Translator - UHF - MHPTV		
Output Power (RMS) ATSC3 ⁽¹⁾	1100	2200
Output Connector	1- 5/8 EIA	
Band	UHF	
AC input frequency	50/60 Hz	
AC input voltage	240 VAC Single φ or 208 VAC Three φ	
Consumption - Max - W	2890	5780
Current rating - Max - A ⁽²⁾	12.0/8.0	24.1/16.1

(1) Power levels before filter (2) Single-phase / Three-phase current draw

ATSC3 Translator - VHF BI ⁽²⁾			
Output Power (RMS) ATSC3 ⁽¹⁾	120	240	560
Output Connector	7-16 DIN	7-16 DIN	7-16 DIN
Band	VHF Band I		
AC input frequency	50/60 Hz		
AC input voltage	240 VAC Single φ		
Consumption - Max - W	680	1220	2750
Current rating - Max - A	2.8	5.1	11.5

(1) Power levels before filter (2) Control Module required for VHF BIII and BI

Cost Effective 100%

Reliable 100%

Scalable 100%

Dependable 100%

We have your broadcast transmission needs covered
www.anywavecom.net

Anywave Communication Technologies

Email: sales_us@anywavecom.com

Phone: +1 (847) 415 2258

Fax: +1 (847) 415 2112

Address: 100 N Fairway Drive, Suite 128

Vernon Hills, IL 60061

Website: www.anywavecom.net

