



SLATE SERIES

PRODUCT SPECIFICATIONS

LOW POWER AIR COOLED SOLID STATE UHF/VHF TV TRANSMITTER

Introduction

The Anywave **SLATE** series of Air Cooled VHF/UHF TV transmitters provides the broadcaster with the latest state-of-the-art digital transmitter design. The **SLATE** series delivers the highest levels of performance and reliability without costing you extra. The power capability of these forced air cooled Solid State (50V LDMOS technology) transmitters range from 30W ATSC (20W OFDM) to 700W ATSC (500W OFDM). They operate across all modulation standards including DVB-T/H, DVB-T, DVB-T2, ATSC, ATSC3.0, ISDB-T and DTMB. The **SLATE** series incorporates the powerful correction capabilities of the ACT 5X+ or 9X digital exciter platforms.

Key Facts

- ✓ Multi-standard capability: Analog DVB-T/H, DVB-T, DVB-T2, ATSC, ATSC3.0, ISDB-T and DTMB
- ✓ Transmitter Efficiency up to 30% (amplifier efficiency > 36%)
- ✓ Broadband
- ✓ Modular for better reliability and ease of maintenance
- ✓ Latest Power Amplifier LDMOS Technology
- ✓ Adaptive Linear and Non-linear correction
- ✓ Simple and Efficient Front-to-Back Air Cooling
- ✓ LCD Touch Screen Control System (available on 500W and higher)
- ✓ Remote control via Web Browser and SNMP

Power Requirements / Dimensions

LPTV Series						
Standard	All ⁽¹⁾					
Output Power (RMS) ATSC ⁽²⁾	30	60	140	280	500	700
Output Power (RMS) COFDM ⁽²⁾	20	50	100	200	400	500
Output Connector	"N"	"N"	"N"	7-16 DIN	7-16 DIN	7-16 DIN
Band	All ⁽²⁾					
Height (inches / mm)	3.5 / 90	3.5 / 90	5.25 / 136	8.75 / 222	10.5 / 267	14 / 356
Width (inches / mm)	19 / 483					
Depth (inches / mm)	20 / 508	20 / 508	26 / 660	30 / 762	30 / 762	30 / 762
Weight (LBS / Kg)	15 / 7	30 / 14	56 / 25	98 / 44	130 / 59	140 / 64
AC Input Voltage ⁽³⁾ ⁽⁴⁾	120 VAC Single ϕ			240 VAC Single ϕ		
AC Input Frequency	50 / 60 Hz					
Consumption - Max. - W	< 140	< 200	< 500	< 900	< 1700	< 2800
Consumption - Typical - KW	110	180	440	800	1600	2600
Current Rating Per ϕ - Max. (A)	1	2	4.5	4	8	12

(1) Standards included ATSC, ATSC3.0, DVB-T, DVB-T2, ISDB-T, CMMB and DTMB

(2) All Bands include Band I (Low Band), Band III (High Band) and Band IV and V (UHF)

(3) Can be operated with single phase at lower powers

(4) 700W System provides limited power with 120VAC (specify voltage with order)

Cost Effective 100%

Reliable 100%

Scalable 100%

Dependable 100%

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