



**BEXT**

## ETL TV Series, UHF / VHF 4, 10, 50, 100, 300 W Solid State

- Synthesized, Field Channel Programmable
- Available as Transmitters or Translators
- Group delay pre-correction
- Stereo/dual sound compatible and offset available
- Available in all TV Standards Worldwide
- Advanced MOSFET and LDMOS technology
- Overload, VSWR, Overheat protected amplifiers
- Full remote control via parallel and serial interfaces
- Automatic Output Level Control, AGC controlled
- Meets or exceeds all FCC and CCIR requirements
- 2 Video and 2 Audio inputs with default switchover (except 500 Series Models)

### • Stand Alone Models, UHF Out:

570TAS-SX: 4 W TRANSMITTER, Audio & Video in, UHF out, class A  
 560TAS-SP: 4 W TRANSLATOR, UHF or VHF in, UHF out, class A  
 310TAS-TX: 4 W TRANSMITTER, Audio & Video in, UHF out, class A  
 290TAS-TP: 4 W TRANSLATOR, UHF or VHF in, UHF out, class A  
 570TBS-SX: 10 W TRANSMITTER, Audio & Video in, UHF out, cl. A  
 560TBS-SP: 10 W TRANSLATOR, UHF or VHF in, UHF out, cl. A  
 310TCS-TX: 10 W TRANSMITTER, A. & V. in, UHF out, class A  
 290TCS-TP: 10 W TRANSLATOR, UHF or VHF in, UHF out, cl. A  
 570THS-SX: 50 W TRANSMITTER, Audio & Video in, UHF out, cl. A  
 560THS-SP: 50 W TRANSLATOR, UHF or VHF in, UHF out, cl. A  
 310THS-TX: 50 W TRANSMITTER, Audio & Video in, UHF out, cl. A  
 290THS-TP: 50 W TRANSLATOR, UHF or VHF in, UHF out, cl. A

### • Stand Alone Models, Low Band VHF Out:

570TRS-SX: 10 W TRANSMITTER, Audio & Video in, LB VHF out, cl. AB  
 560TRS-SP: 10 W TRANSLATOR, UHF or VHF in, LB VHF out, cl. AB  
 310TRS-TX: 10 W TRANSMITTER, Audio & Video in, LB VHF out, cl. A  
 290TRS-TP: 10 W TRANSLATOR, UHF or VHF in, LB VHF out, cl. A  
 570TQS-SX: 50 W TRANSMITTER, Audio & Video in, LB VHF out, cl. A  
 560TQS-SP: 50 W TRANSLATOR, UHF or VHF in, LB VHF out, cl. A  
 310TQS-TX: 50 W TRANSMITTER, Audio & Video in, LB VHF out, cl. A  
 290TQS-TP: 50 W TRANSLATOR, UHF or VHF in, LB VHF out, cl. A

### • Stand Alone Models, High Band VHF Out:

570TFS-SX: 10 W TRANSMITTER, Audio & Video in, HB VHF out, cl. AB  
 560TFS-SP: 10 W TRANSLATOR, UHF or VHF in, H. B. VHF out, cl. AB  
 310TFS-TX: 10 W TRANSMITTER, Audio & Video in, HB VHF out, cl. A  
 290TFS-TP: 10 W TRANSLATOR, UHF or VHF in, HB VHF out, class A  
 570TGS-SX: 50 W TRANSMITTER, Audio & Video in, HB VHF out, cl. A  
 560TGS-SP: 50 W TRANSLATOR, UHF or VHF in, HB VHF out, cl. A  
 310TGS-TX: 50 W TRANSMITTER, Audio & Video in, HB VHF out, cl. A  
 290TGS-TP: 50 W TRANSLATOR, UHF or VHF in, H B VHF out, class A

Note: In some countries, UHF is called Band 4 & 5; High Band VHF is called Band 3; Low Band VHF is called Band 1

### Video Input Level/ Impedance:

### Video Common Mode Rejection:

### Video Main to Secondary Input Separation:

### Audio Input Level/Impedance:

### Video IF Output Level / Frequency Response:

### Video IF Differential Gain / Phase at 4.43 MHz:

### Video IF Group Delay (w/ pre-corr. & vestigial filter):

### Video IF Signal to Noise Ratio:

### Video IF White Limiter:

### Audio IF Frequency Response:

### Audio IF Distortion / S/N Ratio:

### RF Connector/Impedance Output (and input on Translators):

### RF Intermodulation:

### RF Differential Gain/ Differential Phase:

### RF Group Delay / RF Sync Compression:

### RF Video Signal to Noise Ratio:

### RF Frequency Response:

### AC Line Requirement:

### Weight: Exciters/Transmitters/Translators

### Power Consumption Stand Alone Units:

### Dimensions: Exciters/Transmitters/Translators

### Weight: Amplifiers

### Power Consumption: Amplifiers

### Dimensions: Amplifiers

### • Systems (Exciter + Amplifier) UHF Out:

490TBD-SX: 100 W TRANSMITTER, 570TBS + 490TBD  
 490TBD-SP: 100 W TRANSLATOR, 560TBS + 490TBD  
 490TBD-TX: 100 W TRANSMITTER, 310TAS + 490TBD  
 490TBD-TP: 100 W TRANSLATOR, 290TAS + 490TBD  
 490TAD-SX: 200 W TRANSMITTER, 570TAS + 490TAD  
 490TAD-SP: 200 W TRANSLATOR, 560TAS + 490TAD  
 490TAD-TX: 200 W TRANSMITTER, 310TAS + 490TAD  
 490TAD-TP: 200 W TRANSLATOR, 290TAS + 490TAD  
 460TAD-SX: 300/500 W (nominal/rated) Transmitter, 570TAS+460TAD  
 460TAD-SP: 300/500 W (nominal/rated) Translator, 560TAS+460TAD  
 460TAD-TX: 300/500 W (nominal/rated) Transmitter, 310TAS+460TAD  
 460TAD-TP: 300/500 W (nominal/rated) Translator, 290TAS+460TAD

### • Systems (Exciter + Amplifier), Low Band VHF Out:

490TBV1-SX: 100 W TRANSMITTER, 570TRS + 490TAV1  
 490TBV1-SP: 100 W TRANSLATOR, 560TRS + 490TAV1  
 490TBV1-TX: 100 W TRANSMITTER, 310TRS + 490TAV1  
 490TBV1-TP: 100 W TRANSLATOR, 290TRS + 490TAV1  
 460TAV1-SX: 200/250 W (nominal/rated) Transmitter, 570TRS+460TAV1  
 460TAV1-SP: 200/250 W (nominal/rated) Translator, 560TRS+460TAV1  
 460TAV1-TX: 200/250 W (nominal/rated) Transmitter, 310TRS+460TAV1  
 460TAV1-TP: 200/250 W (nominal/rated) Translator, 290TRS + 460TAV1

### • Systems (Exciter + Amplifier), High Band VHF Out:

490TBVD-SX: 100 W TRANSMITTER, 570TFS+490TAV  
 490TBVD-SP: 100 W TRANSLATOR, 560TFS + 490TAV  
 490TBVD-TX: 100 W TRANSMITTER, 310TFS+490TAV  
 490TBVD-TP: 100 W TRANSLATOR, 290TFS + 490TAV  
 460TAVD-SX: 200/250 W (nominal/rated) Transmitter, 570TFS+460TAV  
 460TAVD-SP: 200/250 W (nominal/rated) Translator, 560TFS+460TAV  
 460TAVD-TX: 200/250 W (nominal/rated) Transmitter, 310TFS+460TAV  
 460TAVD-TP: 200/250 W (nominal/rated) Translator, 290TFS+460TAV

1 VP-P  $\pm 3$  dB, 75 Ohm  
 40 dB typ, on main baseband input  
 > 56 dB, within 5 MHz  
 -12 dBm to +6 dBm, 5k Ohms, balanced  
 -7 dBm /  $\pm 0.25$  dB, 25 Hz to 4.8 MHz  
 < 2% / < 2°  
 < 40 ns within 4.8 MHz  
 65 dB or better, weighted  
 95% for F < 1 MHz  
 $\pm 0.5$  dB, 30 – 15 KHz with pre-emphasis and de-emphasis  
 < 0.4 % / 65 dB or better, non weighted  
 "N" type Female / 50 Ohm  
 -64 dB or better, with AM pre-corrector, -54 dB or better, without  
 < 3% / < 3°  
 < 50 ns, from F -0.6 TO F +5 MHz / < 3%  
 -56 dB or better, 50 KHz dev intercarrier meas.  
 $\pm 0.25$  dB or better, F -0.5 MHz to +5 MHz  
 115/220 V AC 47-60 Hz, DC Option Available  
 12 kg (26.5 lbs) for 4W, 15 kg (33 lbs) for 10W, 18 kg (39.6 lbs) for 50W  
 100 VA (4 W), 200 VA (10 W), 250 VA (50 W)  
 483 mm (19") W x 132 mm (5 1/4") H x 470 mm (18.5") D  
 25 kg (55 lbs) 200 W, 37 kg (81 lbs) All Others  
 100 and 200 W: 600 VA; 150 W: 900 VA; 300 W: 1100 VA; 500W: 1500 VA  
 483 mm (19") W x 187 mm (7") H x 530 mm (21") D for 200 W Mod.  
 483 mm (19") W x 222 mm (8.75") H x 530 mm (21") for all others