

MXi Frontier Series
Frontier Series
10WVHF/UHFATSC
Transmitter/Translator



The New in Cool.

New Low Power Convection Cooled Digital Transmitter & Translator Series. MXi Frontier Series delivers broadcast innovation in a convection cooled design and rugged performance under extreme conditions.

10WVHF/UHF ATSC Transmitter / Translator

- Compact, Rugged, and Lightweight
 - High Efficiency
 - State-of-the-art Technology
- Redundant Amplifier Design
- Natural Convection Cooling
 - No Fans
 - High Reliability
- DC Input Option Available
 - For Alternate Energy Sites (solar / wind power)

Frontier Series

10W Convection Cooled Transmitter/Translator

Frontier Series integrates the latest In technology into a simple and straightforward, package. Simple connections, straightforward controls and easy to trouble-shoot, Frontier Is elegant in It's simplicity.

- Straightforward control
- Simple output metering
- Full Protection circuitry
- Easy troubleshooting
- No "lockout*" state

Our broadcast solutions are the product of Innovation at Its best- delivering superior performance, quality, reliability and service.

A solid, simple and superior design-MXI Frontier Series Is the best fit for broadcast-ers who want the ultimate in performance.



Specifications

| | |
|------------------------|---|
| Model: | DTR10SC |
| Output | |
| Power | 10W |
| Frequency | 54-88 MHz, 174-216 MHz, 470-806 MHz |
| Output Connector | N-type |
| Out-of-band emissions | FCC non-critical Mask (critical mask also available as option) |
| Signal to Noise | 27dB |
| Pilot Phase Noise | -101 dBc/Hz (20kHz offset) |
| Frequency Stability | 10 kHz |
| Input (Transmitter) | |
| Interface | ASI |
| Bit Rate | 19.39MB/S |
| Symbol Clock Frequency | 10.762238 MHz |
| Impedance | 75 Ohms |
| Input (Translator) | |
| Frequency Range | 54-806 MHz |
| Connector | F-type |
| Input Level | -78 to -8 dBm/6MHz |
| Impedance | 75 ohms |
| General | |
| Power Requirements | 150W (200W including REGEN Transcoder) |
| Voltage | 95-130 VAC (DC input available on request) |
| Dimensions (inches) | |
| h | 7" (8.75" including REGEN Transcoder) |
| w | 19" |
| d | 12" |
| Cooling | Natural Convection |
| Temperature Range | 0 to 50 degrees C |
| Humidity | 95% |

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