



**Superior
Technologies in
Broadcasting**



 **ISDBT-TB MODULADOR DIGITAL**

- Upper Converter Integrado

 **ISDBT-TB DIGITAL MODULATOR**

- Integrate Upper Converter

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MDI 300

MDI 300 DIGITAL MODULATOR SPECIFICATIONS

Standards:

ABNT NBRR 15601:2007.

MPEG-TS Inputs:

02 Input Transport Stream Packet de-multiplexer;
Automatic input switching for redundancy;
204 and 188 byte formats;
IIP packet management for SFN operating.

RF Outputs:

Frequency range: 470 to 806 MHz;
Agile channel output: (14 to 69) ;
Output Level: 0 dBm @ 50 Ohms
Adjustable in 10 dB (1 and 0.1 dB steps);
Output available for monitoring: -20 dBm @ 50 Ohms;
IF output: 44 MHz;
Output Level: 0 dBm @ 50 Ohms
Adjustable in 10 dB (1 and 0.1 dB steps).

Clock and Synchronization:

High quality internal clock;
10 MHz & 1PPS input's;
Onboard GPS (Optional).

Modulation:

Hierarchical modulation, up to 3 layers;
FEC 1/2, 2/3, 3/4, 5/6 or 7/8;
Time interleave from 0 to 16;
Guard Interval: 1/4, 1/8, 1/16 or 1/32;
Carrier spacing: 4 kHz, 2 kHz or 1 kHz;
High performance MER (> 39 dB).

Digital pre-correction circuits:

Linear pre-correction (2 x 32 points - Group Delay and Amplitude);
Non-linear pre-correction (2 x 32 points - AM/AM and AM/PM).

Monitoring and control:

Panel of configuration and local and remote monitoring
(Optional).

General:

Power Requirements: 110~220 Vac 10% @ 50VA;
Operating temperature range: 0°C to 50°C;
Weight: 44 X 485 X 430 mm.

DIGITAL