

## TL-MDH225 MMDS



### Digital/Analog Adjacent-channel Multiplexing Synthesizer:

TL-MDH225 forms an independent MMDS channel synthesizer by itself, which applies to adjacent channel or non-adjacent channel digital/analog application. After adjacent or non-adjacent synthesizing, just need one set of feed system to transmit the TV signal of multiple channels, which has reduced the purchase cost and antenna tower cost of the system. The best performance and quality can be obtained, after debugged by transmitter, amplifier and channel synthesizer.



### Features:

Compatible with digital and analog transmission systems

Apply to MMDS digital and analog PAL G/I/D/K adjacent channel or non-adjacent channel synthesis

8 MHz bandwidth for each channel; independent structure; based on the requirements of the transmission system, it is able to combine and install at most 23 channels into a synthesizer.

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Aluminum welding structure to ensure strength joint and small insertion loss



### Technical Specification:

» Items	» Technical Parameters
» Working Frequency Band	» (2500~2700) MHz
» Rated Power (P-1 compression point power)	» 200 Watts (at P-1 compression point)
» Insertion Loss	» $\leq 1.3$ dB
» Adjacent Channel Isolation	» $\geq 35$ dB
» In-band Roughness	» $\leq 0.2$ dB
» Voltage VSWR	» 1.2
» Channel Input Connector	» L16 (N) type
» Output Connector	» YX50-22-2(7/8") flange
» Operation Temperature Range	» 10-45 Typical Value: 15 -27
» Relative Humidity	» 0~95% (No condensation when 25)
» Volume (Each Channel)	» 253cm $\times$ 25cm $\times$ 78cm



**Optional Modes:**

**Subscriber should provide channel number and the center frequency**