

ZIF Tuner for UHF-Band MMDS Applications



Maxim Integrated Products introduces its MAX2117 zero-IF (ZIF) tuner for UHF-band MMDS applications. The device receives QPSK signals in the 470 MHz to 1000 MHz range, and it down-converts them to baseband for demodulation. Designed for China's UHF-band MMDS systems, the tuner is compatible with most DVB-S demodulators. A low 8 dB (typ.) noise figure, combined with a better than 25 dB (typ.) adjacent-channel protection ratio (ACPR), makes this device suitable for MMDS applications. It operates from a single, 3.3V $\pm 1\%$ supply and consumes a low 330 mW. Though it has been designed to operate with a low cost 4 MHz crystal, an internal reference divider allows the user to select any crystal in the 4 MHz to 8 MHz range.

www.maxim-ic.com

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