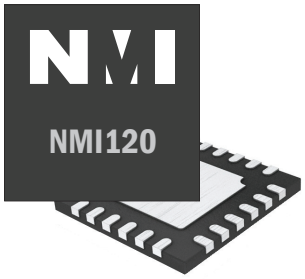
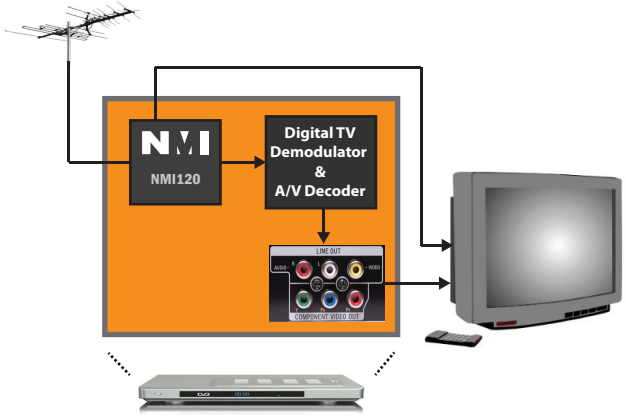
NMI120

Digital TV Tuner





DVB-T, ATSC, ISDB-T or DTMB Set Top Box

The NMI120 is a digital terrestrial television RF tuner. Leveraging NMI's proprietary RF tuner technology which has been deployed in over 50 million broadcast television SOCs shipped worldwide.

All NMI RF Tuner products deliver simultaneously best-in-class form factor, BOM, power consumption, and performance. The NMI120 is ideal for STB (set top box) as well as Digital only Television applications. The NMI120 supports and conforms to the certification specifications of all major Digital Television standards including: DVB-T, ATSC, ISDBT and DTMB.

The NMI120 is packaged in a highly cost effective 4X4mm QFN package and requires minimal external bill of material that does not require any SAW filter, balun or tracking filter components typically associated with competitor's solutions.

- Cost-effective 4x4mm QFN package
- Ultra low current consumption: 145mA typical
- Lowest BOM: no SAW, balun, or tracking filter required
- Significant margin to NorDig, D-book, A/74, ARIB, and GB20600 standards
- 4.0dB NF and up to +20 dBm IIP3, integrated low noise loop through and crystal oscillator buffers for efficient multi-tuner support
- Single 1.8-3.3V IO supply with integrated power management circuitry
- Adjustable IF output frequency (3 – 60 MHz) facilitates interface with various digital demodulators
- Fully integrated VCOs, PLL loop filter, and crystal oscillator
- I2C control interface
- Environmental Compliance: NMI120 is Pb-free, Cd-free, Halogen free and RoHS compliant

For information on the NMI120 or other products from NMI please contact your local NMI sales office:

United States	+ 1 949 340 6150
China	+ 86 21 6109 6986
Korea	+ 82 31 783 4200
Japan	+ 81 3 5775 0327

For more information on NMI and broadcast television ICs from NMI please visit www.nmisemi.com

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