



DS INSTRUMENTS

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MX12000 R4 – USB POWERED WIDEBAND INTEGRATED-LO MICROWAVE MIXER



Maximum input RF power level of +20dBm!



Input and output (RF & IF) ports are bi-directional.

A strong 5V USB power source is critical for reliable operation.

- Local Oscillator Range: 5GHz – 14GHz
- RF Range: 5GHz – 14GHz
- IF Range: 5MHz to 6GHz
- RF input P1dB > +10 dBm
- Low LO leakage: -30 dB typical
- Mixer input IP3: 17dBm
- Mixer input IP2: 50dBm
- LO phase noise at 12GHz: < -92dBc @ 10KHz offset
- Return loss > 10 dB
- Low conversion loss: 6-10dB Typical
- Modes: Up or Down Converting
- Max RF input power: **+20dBm**
- LO Reference frequency: 10MHz && 100MHz
- USB powered and controlled (USB-C)

Visit us for control software and tech support: www.dsinstruments.com/downloads/

Thanks for your business!

