

MC13027 MC13122

Product Preview AMAX Stereo Chipset

The MC13027 and MC13122 have been specifically designed for AM radio which can meet the EIA/NAB AMAX requirements. They are essentially the same as the MC13022 and MC13025 with the addition of noise blanking circuitry. The noise blanker consists of a wide band amplifier with an RF switch for blanking ahead the IF Amplifier and a stereo audio blanker with adjustable delay and blanking times.

- Operating Voltage Range of 6.0 V to 10 V
- RF Blanker with Built-In Wide Band AGC Amplifier
- Audio Noise Blanker with Audio Track and Hold
- Mixer Third Order Intercept of 20 dBm
- Wide Band AGC Detector for RF Amplifier
- Local Oscillator Divide-by-4 for Reduced Phase Noise
- Buffered Local Oscillator Output at the Fundamental Frequency
- Fast Stereo Decoder Lock
- Soft Stereo Blend
- Signal Quality Detector for AM Stereo
- Variable Q Notch Filters for Adaptive Audio Bandwidth and Whistle Rejection
- Very Low Distortion Envelope and Synchronous Detectors

ORDERING INFORMATION

Device	Operating Temperature Range	Package
MC13027DW	$T_A = -40 \circ to +85 \circ C$	SO–20L
MC13122DW		SO–28L

AMAX STEREO IC CHIPSET

SEMICONDUCTOR TECHNICAL DATA





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OUTLINE DIMENSIONS



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