


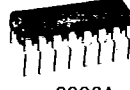
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|---------------|----------------------|--|
| <b>LA1232</b> | monolithic linear IC | CIRCUIT DRAWING<br>No.2015   |
| FM IF SYSTEM  |                      | <br>3006A |

**Functions**

- IF amplification, Limiter
- Quadrature detection
- AF preamplifier
- Muting at weak input
- Muting at detuning
- Signal meter drive output
- AFC tuning meter drive output
- Delay AGC output
- Inverting circuit for muting drive voltage
- IF amplifier stop circuit

**Features**

- High sensitivity on limiting: 18 $\mu$ V typ.
- Low distortion: 0.05% typ.
- High demodulation output: 330mVrms typ.
- High S/N ratio: 84dB typ.
- Muting at detuning with little shock noise.
- Detuning muting band having good symmetry.
- Delay AGC drive output for front end.
- Operation voltage:  $V_{CC} = 9$  to 14V.
- Muting characteristics between adjacent stations are distinguished.
- Pin compatible with LA1231N.

|               |                      |  |
|---------------|----------------------|--|
| <b>LA1235</b> | monolithic linear IC | CIRCUIT DRAWING<br>No.2016   |
| FM IF SYSTEM  |                      | <br>3006A |

**Functions**

- IF amplifier, limiter
- Quadrature detection
- AF preamplifier
- Signal intensity muting drive output
- Detuning muting drive output
- AF signal muting circuit
- Signal meter drive output
- AFC, tuning meter drive output
- IF amplifier stop circuit
- Tuning meter null circuit

**Features**

- High S/N (88dB typ.).
- Low distortion (0.015% typ.).
- Weak signal muting drive output having hysteresis.
- Tuning meter null (short) circuit.
- Signal meter drive output having wide dynamic range.
- High limiting sensitivity.
- Built-in constant voltage circuit (Operating voltage 10 to 14V).