


LA1207	monolithic linear IC	CIRCUIT DRAWING No.2012
FM/AM IF AMP FOR RADIO CASSETTE, MUSIC CENTER		 3006A


Features

- S meter output characteristic suited for LED light-up.
Other characteristics are the same as for the LA1205.
- Low-level shortwave oscillation with few harmonic components.
 - AM:
 - Usable in the range of LW to SW
 - Low-level AM oscillation with ALC

Oscillation output per pin	MW	130mV
	SW	110 to 180mV (8MHz)(30MHz)
- (Note) A slight change in these values may take place depending on the coil to be used.
- FM:
 - Ratio detection
 - Advantageous in the following points as compared with quadrature detector IC
 - Especially suited for in headphone radio applications because low quiescent noise eliminates the need for muting at weak inputs.
 - Low side peak.
 - High S/N
 - Front end bias available (Pin 10 1.2V)
- Others:
 - Improvement in reduced voltage characteristic (Operating voltage: 2.5 to 9.0V)
 - FM/AM S meter output with wide dynamic range (Pin 14: 0 to 2.1V, meter deflection variable by external R)

Functions

- AM: Converter, oscillator, IF, S meter outputs
- FM: IF, S meter outputs

LA1231N	monolithic linear IC	CIRCUIT DRAWING No.2014
FM IF SYSTEM		 3006A

Functions

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| <ul style="list-style-type: none"> ■ IF amplification, Limiter ■ Quadrature detection ■ AF preamplifier ■ Muting at weak input ■ Muting at detuning | <ul style="list-style-type: none"> ■ Signal meter drive output ■ AFC tuning meter drive output ■ Delay AGC output ■ Inverting circuit for muting drive voltage ■ IF amplifier stop circuit |
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Features

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| <ul style="list-style-type: none"> ■ High sensitivity on limiting: 18μV typ. ■ Low distortion: 0.05% typ. determined by the linearity of phase characteristics in phase shifting circuit. ■ High demodulation output: 330 mVrms typ. ■ High S/N ratio: 78.5 dB typ. ■ Muting at detuning with small pop noise. ■ Single meter drive output proportional to the input signal level (dB). | <ul style="list-style-type: none"> ■ Detuning muting band having good symmetry. ■ Tuning meter driving output having wide swing width. ■ Delay AGC drive output for front end. ■ Voltage regulator is built in: Operation voltage 9 to 14 V. ■ Interstation muting characteristic is excellent. |
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