

LA1260	monolithic linear IC	CIRCUIT DRAWING No.2019
FM/AM IF SYSTEM FOR RADIO CASSETTE, MUSIC CENTER		 3006A

Functions

FM:

- IF amp.
- Quadrature detector
- AF preamp.
- Tuning indicator drive output

AM:

- RF amp.
- MIX
- OSC (with ALC)
- IF amp.
- Detector
- AGC
- Tuning indicator

Features

- Minimum number of external parts required.
- Good S/N: FM S/N = 83dB
AM S/N = 55dB
- ALC-provided local oscillator: Oscillation level 100mVrms.
- Low whistle: Whistle 1% at input 100dBu.
- Tuning indicator pin.
- FM/AM output pins are independent of each other: Possible to set FM/AM frequency characteristic independently.

LA1265	monolithic linear IC	CIRCUIT DRAWING No.2021
FM/AM IF SYSTEM FOR RADIO CASSETTE, MUSIC CENTER		 3059

Functions

FM:

- IF amp
- Quadrature detector
- AF preamp
- Tuning indicator (also used for stop signal, muting drive output)
- Signal meter

AM:

- RF amp
- MIX
- OSC (with ALC)
- IF amp
- Detector
- AGC

- Tuning indicator (also used for stop signal)
- Local OSC buffer
- Signal meter

Features

- Minimum number of external parts required
- Good S/N (FM S/N = 82dB, AM S/N = 55dB)
- Local OSC with ALC
- On-chip local OSC buffer (output = 250mVrms)
- Tuning indicator pin (also used for narrow-band stop signal)
- Variable stop sensitivity (variable separately for AM/FM)
- Low whistle (whistle 1% at input 100dB/m)
- Signal meter pin

LA1270	monolithic linear IC	CIRCUIT DRAWING No.2020
3V FM/AM IF AMPLIFIER		 3021B

Functions

- FM. IF amplifier, FM demodulator, tuning indicator.
- AM. MIX, OSC, IF amplifier, detector, AGC, tuning indicator.

Features

- Low operating voltage. ($V_{CC} = 1.8V_{min}$)
- Small current dissipation. ($I_{CC} = 5.5mA_{typ}$)
- With tuning indicator.
- Strong input characteristic of AM is excellent.
- Small pop noise at the time of FM-AM switch-over.