

# Integrated circuits for AF applications

## TDA 1062

FM-Tuner for AC-line and car-radios, mixer, modulator and phasesensitive detectors up to 200 MHz.

Supply voltage	$U_S$	9... 15	V	
Power amplification $U_S = 10\text{ V}$ , $f = 95\text{ MHz}$ , $R_G = R_L = 50\ \Omega$	$G_P$	typ. 30	dB	
Oscillator pulling $P_i = 0\text{ dBm}$	without AFC with AFC	$A_{f0}$ $A_{f0}$	typ. 10 typ. 22	kHz kHz
Noise figure	$F$	typ. 5,5	dB	

### Features:

- Excellent large signal behavior
- High oscillator frequency stability, even by large input signals
- Low noise figure
- Adaptable to capacitance diode, variometer or variable capacitor tuning
- Low radiation

### Case:

20 A 16 DIN 41 866  
JEDEC MO 001 AC  
DIP 16-lead  
Dimensions see page 60  
Number 7

## TDA 1093

FM-Interface for TDA 1062

Supply voltage range	$U_S$	7,5...18	V
Quiescent drain current	$I_{SB}$	3	mA
Minimum tuning voltage	$U_{tunmin}$	1,8	V
Maximum tuning voltage	$U_{tunmax}$	$U_S - 1\text{ V}$	V

### Features:

- Regulation of the tuning voltage against supply voltages variations
- Adjustable programmable tuning voltage
- Adjustable programmable thermal compensation of the tuned circuits
- Programmable AFC
- Buffer stage for tuning voltage source
- Transistor stage for FM IF amplification or other functions

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