

AM/FM CAR RADIO SYSTEM

ADVANCE DATA

The TDA7320 is high performance AM/FM radio IC designed for use in a wide range of car radio and home radio applications, operating with a supply voltage from 7 to 14V. The TDA7320 is supplied in a 20 pin plastic DIP package.

AM SECTION

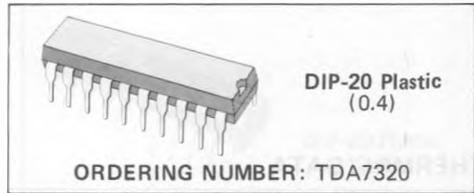
- WB balanced RF amplifier
- Double balanced mixer
- Balanced detector
- Level controlled oscillator
- Oscillator booster for digital tuning
- Field strength meter

FM SECTION

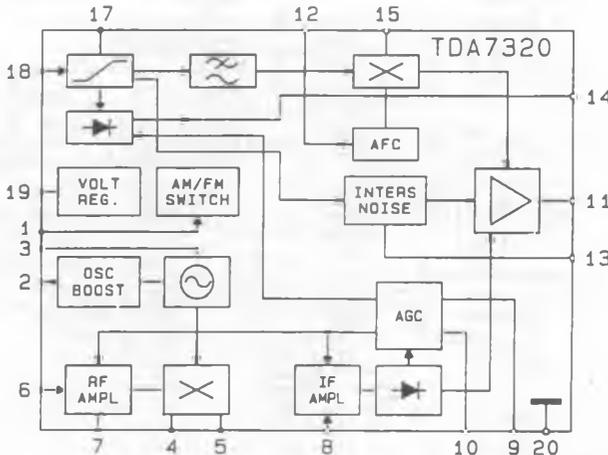
- IF balanced amplifier and limiter
- Quadrature detector
- Field strength meter and AFC outputs
- Adjustable interstation noise mute

FEATURES

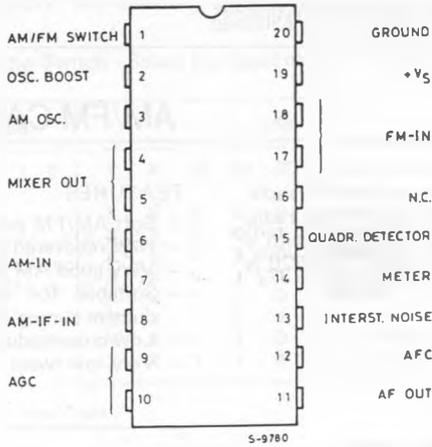
- Soft AM/FM switching μP compatible
- High recovered audio signal
- Very good AM signal handling
- Suitable for capacitance, varicap and inductive tuning (SW included)
- Low crossmodulation
- Very low tweet


ABSOLUTE MAXIMUM RATINGS

V_s	Supply voltage	14	V
P_{tot}	Total power dissipation at $T_{amb} < 85^\circ C$	0.8	W
T_{op}	Operating temperature	-30 to 85	$^\circ C$
T_{stg}, T_j	Storage and junction temperature	-55 to 150	$^\circ C$

BLOCK DIAGRAM


CONNECTION DATA
(Top view)



THERMAL DATA

$R_{thj-amb}$	Thermal resistance junction-ambient	max	80	°C/W
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Fig. 1 - Test circuit

