

## Bipolar circuit

Symmetrical, single-stage limiter amplifier with symmetrical coincidence demodulator and symmetrical AFC amplifier including a push-pull current output. Particularly suitable for automatic tuning in TV sets.

- Good limiting characteristics
- Excellent frequency stability of the converter characteristic
- Few external components
- Programmable current deviation

Type	Ordering code	Package outline
TDA 4260	Q67000-A1300	DIP 8

## Maximum ratings

Supply voltage	$V_S$	15 <sup>1)</sup>	V
Thermal resistance (system-air)	$R_{th SA}$	100	K/W
Junction temperature	$T_j$	150	°C
Storage temperature range	$T_{stg}$	-40 to 125	°C

## Range of operation

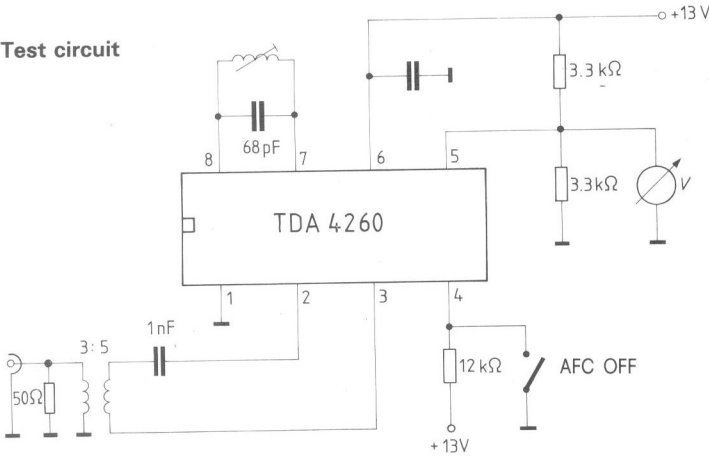
Supply voltage range	$V_S$	10.5 to 15	V
Ambient temperature range	$T_{amb}$	-25 to 60	°C

Characteristics ( $V_S = 13 V$ ;  $T_{amb} = 25 °C$ )

	min	typ	max	
Current consumption				$I_6$ mA
Limiting use	13	18	23	$V_{2/3 lim}$ mV <sub>rms</sub>
Input resistance		60	80	$R_{i 2/3}$ kΩ
Programming current		10		$I_4$ mA
Output current (at $I_4 = 1 mA$ )		1		$I_{q 5}$ μA
Output current: without signal	±600	±750	±900	$I_{q 5}$ μA
Output current for AFC off ( $I_4 = 0$ )		0	±10% · $I_4$	$I_{q 5}$ μA
		0	±10	$I_{q 5}$ μA

1) intermittently 16.5 V

Test circuit



Block diagram

