

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 ¹⁾	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

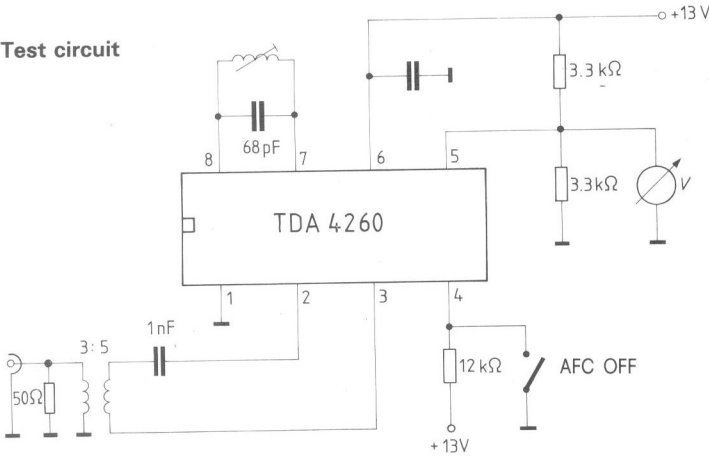
Supply voltage range	V_S	10.5 to 15	V
Ambient temperature range	T_{amb}	-25 to 60	°C

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

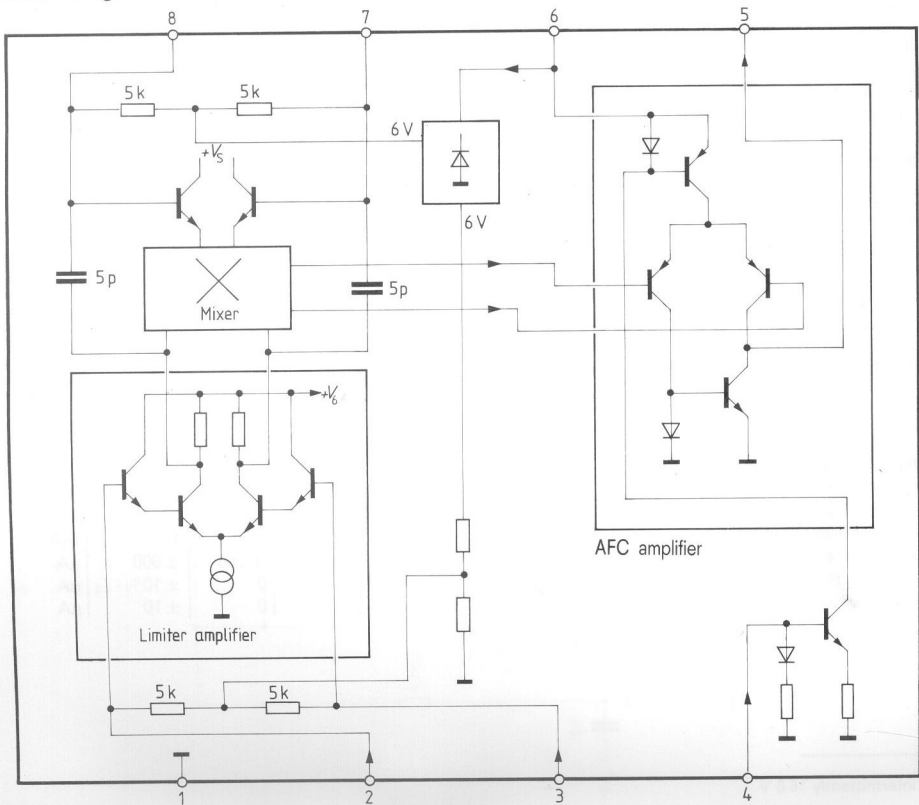
	min	typ	max	
Current consumption				I_6 mA
Limiting use	13	18	23	$V_{2/3 lim}$ mV _{rms}
Input resistance		60	80	$R_{i 2/3}$ k Ω
Programming current		10		I_4 mA
Output current (at $I_4 = 1 mA$)		1		$I_{q 5}$ μA
Output current: without signal	± 600	± 750	± 900	$I_{q 5}$ μA
Output current for AFC off ($I_4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

1) intermittently 16.5 V

Test circuit



Block diagram



Application circuit

