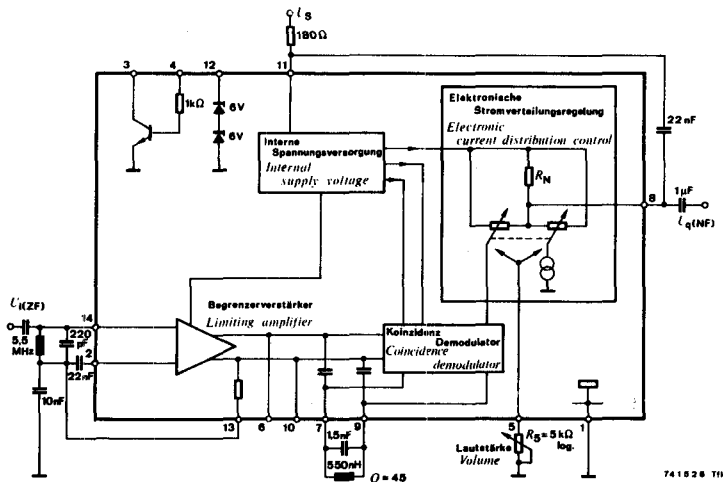


Integrated circuits for RF applications

TBA 120 S

FM IF amplifier and detector for television and radio receivers

Supply voltage range	U_S	6...18 V	V
Input limiting voltage $f = 5.5 \text{ MHz}$, $\Delta f = \pm 50 \text{ kHz}$, $f_{\text{mod}} = 1 \text{ kHz}$, $Q \approx 45$,	Pin 14	U_i	30 (< 60) μV
Attenuation		$20 \lg \left(\frac{U_{q\text{max}}(\text{NF})}{U_{q\text{min}}(\text{NF})} \right)$	$\triangleright 70) 75 \text{ dB}$



Features:

- Exceptional limiting sensitivity
- Minimum number of external components
- Large power supply range

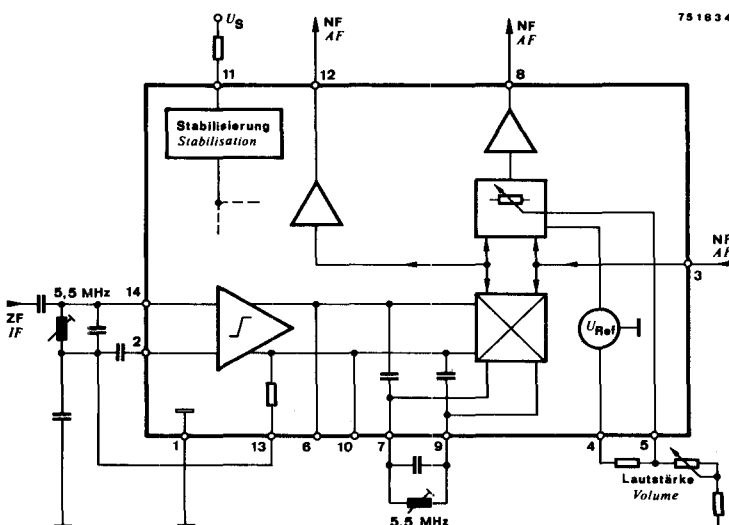
Case:

20 A 14 DIN 41866
JEDEC MO 001 AA (TO 116) or
QIP 14-lead
Dimensions see page 97
Number 3 or 4

TBA 120 U

FM IF amplifier and demodulator for television receivers

Supply voltage range	U_S	10...18	V
Input limiting voltage $f = 5.5 \text{ MHz}$, $\Delta f = \pm 50 \text{ kHz}$, $f_{\text{FM}} = 1 \text{ kHz}$, $Q = 45$,	Pin 14	U_i	30 (< 60) μV
Attenuation	Pin 8	$\frac{U_{q\text{max}}}{U_{q\text{min}}}$	$\triangleright 70) 85 \text{ dB}$
AF amplification $R_5 = 20 \text{ k}\Omega$	Pin 8/3	A_U	7.5



Features:

- No grouping of volume control tuning characteristics
- Independent AF-output for VCR and headphone
- Additional AF-input for video play back
- Rugged against noise and fluctuation of the supply voltage
- High residual carrier attenuation prevents the harmonic

Case:

20 A 14 DIN 41866
JEDEC MO 001 AA (TO 116) or
QIP 14-lead or DIP 14-lead
Dimensions see page 97
Number 3 or 4

Data book reference: B 2 E