

Integrated circuits for RF applications

TBA 520

Synchronous demodulator for PAL colour television receivers

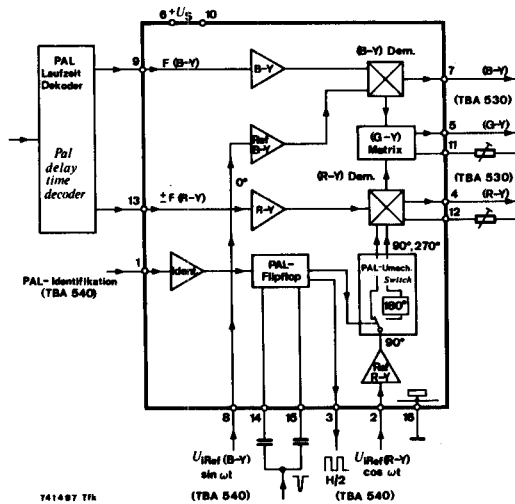
Supply voltage	U_S	< 13.2	V
Chroma signal amplification $U_{i(R-Y)} = 50 \text{ mV}, f = 4.4 \text{ MHz}$	$A_{u(R-Y)}$	6	
Ratio of blue to red demodulator gains	$\frac{A_{u(B-Y)}}{A_{u(R-Y)}}$	1.78	
Colour difference output signal for colour bar standard signal $U_{i(B-Y)} = 166.5 \text{ mVss}$ R-Y Pin 4 U_q 1.4 Vss $U_{i(R-Y)} = 233.0 \text{ mVss}$ G-Y Pin 5 U_q 0.82 Vss $f = 4.4 \text{ MHz}$ B-Y Pin 7 U_q 1.78 Vss			

Features:

- High demodulating linearity
- Low output rest carrier

Case:

20 A 16 DIN 41866
JEDEC MO 001 AC
or QIP 16-lead
Dimensions see page 97
Number 5 or 6



TBA 530

RGB matrix and pre-amplifier for PAL colour television receivers

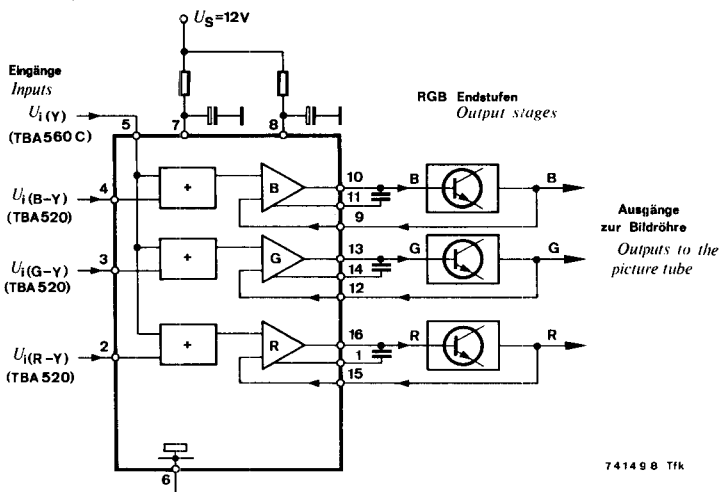
Supply voltage	U_S	< 13.2	V
Input d.c. voltage			
R-Y Pin 2 U_i	1.4	Vss	
G-Y Pin 3 U_i	0.82	Vss	
B-Y Pin 4 U_i	1.78	Vss	
Y Pin 5 U_i	1	Vss	
Voltage amplification (including RGB output stages) $f = 0.5 \text{ MHz}$	A_U	100	
3-dB Bandwidth	f	> 6	MHz

Features:

- Associated with TBA 520 direct drive of RGB-output transistors possible
- RGB drive circuit with or without clamping possible

Case:

20 A 16 DIN 41866
JEDEC MO 001 AC
or QIP 16-lead or DIP 16-lead
Dimensions see page 97
Number 5 or 6



Data book reference: B 2 E