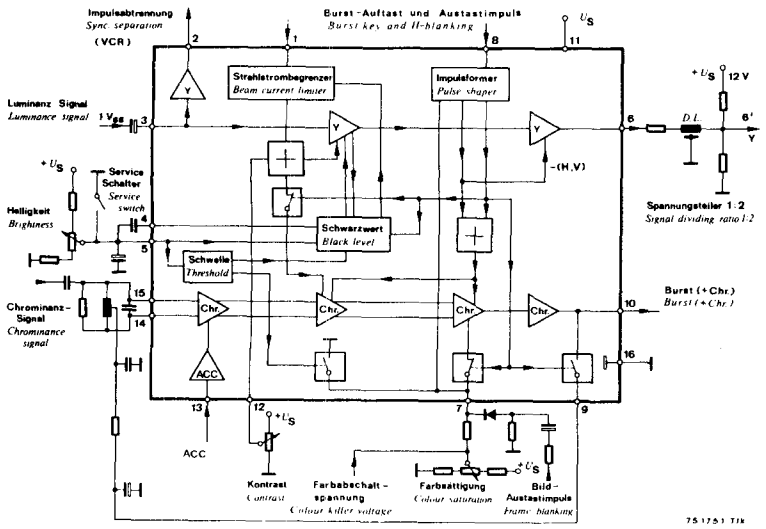
Integrated circuits for RF applications

TDA 2150

Luminance and chrominance amplifier for colour TV receivers

Supply voltage		U_S	12	V
Power dissipation		P_{tot}	0,8	W
Luminance input signal 100% white beam	Pin 3	U_i	1	Vss
Luminance output signal U_{12} = 12 V	Pin 6	U_q	2,0 ... 2,4	Vss
Chrominance input signal	Pin 14–15	U_i	< 80	mVss
Chrominance output signal $k \geq 5\%$	Pin 10	U_q	3	Vss



Features:

- Very low spread of the D.C. controls for brightness, contrast and colour saturation in order to avoid presettings completely
- Tracked D.C, contrast control in chrominance and luminance channels
- Independent video signal output for the sync. separator especially at VCR playback operation
- Generation of a luminance service signal for adjusting the CRT cathode bias

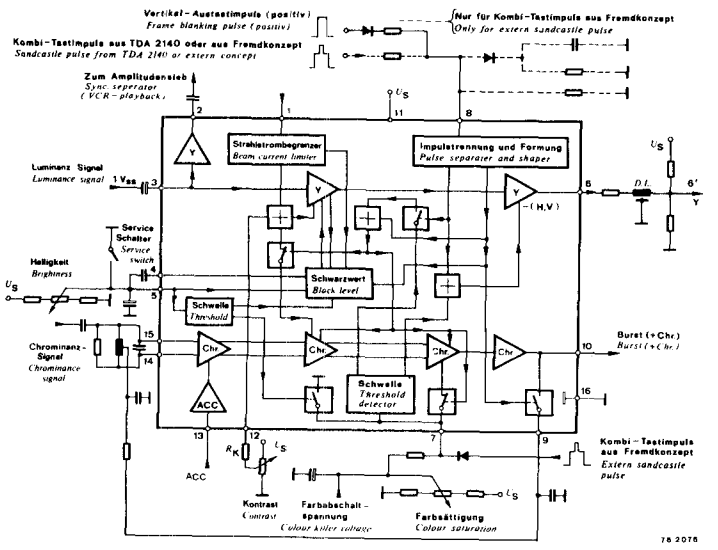
Case:

20 A 16 DIN 41866
JEDEC MO 001 AC
DIP 16-lead
Dimensions see page 60
Number 7

TDA 2151

Luminance and chrominance amplifier for colour TV receivers

Supply voltage		U_S	12	V
Power dissipation		P_{tot}	0,8	W
Luminance input signal 100% white beam	Pin 3	U_i	1	Vss
Luminance output signal U_{12} = 12 V	Pin 6	U_q	2,0 ... 2,4	Vss
Chrominance input signal	Pin 14–15	U_i	< 80	mVss
Chrominance output signal $k \geq 5\%$	Pin 10	U_q	3	Vss
Contrast reduction at beam current limiter action			25 ... 80	%
Programming resistor	Pin 12	R_k	0 ... 7,5	kΩ



Features:

- Very low spread of the DC controls of brightness, contrast and colour saturation in order to avoid presettings completely
- Tracked DC, contrast control in chrominance and luminance channels
- Generation of a luminance service signal for adjusting the CRT cathode bias
- Compatible with every available concept in the market for combined test pulse generation

Case:

20 A 16 DIN 41 866
JEDEC MO 001 AC
DIP 16-lead
Dimensions see page 60
Nummer 7

Data book reference: S 8 E