

A 295 D

Secam-Dekoder für Farbfernsehempfänger, bestehend aus Verstärker für das direkte und das verzögerte Signal, Kreuzschalter, regelbaren Begrenzern für beide Differenzsignale, Farbauf- und -austastungsschaltung und Farbabschalter.

Secam decoder for colour television receivers, consisting by amplifiers for the direct and for the delay signal, cross-switching, controlled limiters for both difference signals, colour gate and blanking circuit, and colour killer.

Grenzdaten max. ratings	Informationsdaten characteristics	bei $U_{CC} = 12\text{ V}$, $\vartheta_a = 25^\circ\text{C}$, $U_{13} = U_{14} = 3\text{ V}$, $-U_{10} = 2\text{ V}$ at $U_8 = 2,7\text{ V}$, $R_L = 1,5\text{ k}\Omega$, $C_L = 15\text{ pF}$	Bauform Figure
$U_{CC} = 15\text{ V}$ $U_1, U_{14} = -4 \dots +4\text{ V}$ $U_2, U_{13} = -4 \dots +4\text{ V}$ $U_{10}, U_{12} = -4 \dots +4\text{ V}$ $U_{10}, U_{12} = -4 \dots +6\text{ V}^1)$ $U_8 = 4\text{ V}$ $u_3, u_6 = 1,5\text{ V}_{SS}$ $I_8 = 3\text{ mA}$ $I_{15} = 2,5\text{ mA}$ $P_{tot} = 1\text{ W}^2)$ $R_{9, 11}, R_{16}, 11 \geq 6\text{ k}\Omega$ $\vartheta_a = -10 \dots +55^\circ\text{C}$	$I_{CC} < 60\text{ mA}$ $U_{15} > 3\text{ V}$ $U_{15} < 0,3\text{ V}$ $-U_{10}, U_{12} < 1,7\text{ V}$ $U_1, U_2, U_{13}, U_{14} < 1,1\text{ V}$ $u_9, u_{16} = 1,2 \dots 1,9\text{ V}_{SS}$ $u_9, u_{16} = 1\text{ dB}$ $\Delta u_0 (U_8) < 5\%$ $\Delta u_9 (u_{16}) < 7\%$	bei $u_6 = 0$ at $R_{15,11} = 10\text{ k}\Omega$ $R_{15,11} = 10\text{ k}\Omega$, $U_1 = 3\text{ V}$ $u_6 = 95\text{ mV}_{eff}$ $u_6 = 95\text{ mV}_{eff}$ $u_3 = u_6 = 95\text{ mV}_{eff}$, $U_8 = 2,2\text{ V}$ $\Delta u_3 = \Delta u_6 = (9,5 \dots 190)\text{ mV}_{eff}$ $u_3 = u_6 = 95\text{ mV}_{eff}$ $U_8 = 0,9; 1,2; 1,5\text{ V}$ $u_3 = u_6 = 95\text{ mV}_{eff}$, $U_8 = 0,9; 1,5\text{ V}$	6

1) $t < 15\ \mu\text{s}$

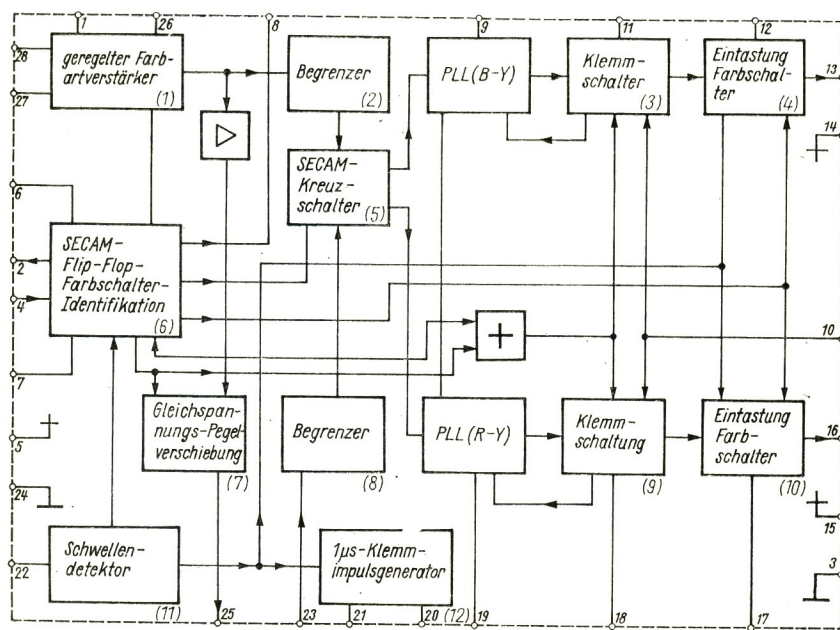
2) $\vartheta_a = 25^\circ\text{C}$

A 3520 D

SECAM-Dekoder für Farbfernsehgeräte. Einsatz in SECAM-Geräten als auch in PAL-SECAM-Geräten in Verbindung mit dem A 3510 D bei minimaler Außenbeschaltung.

SECAM-decoder for colour television receivers. Application in SECAM-apparatus but also in PAL-SECAM-apparatus in connection with A 3510 D with minimum exterior wiring.

Grenzdaten max. ratings	Informationsdaten characteristics	bei $u_{27/28SS} = 100\text{ mV}$, $U_6 = 2\text{ V}$ at	Bauform Figure
$U_{CC} = U_3 = U_{14} = U_{15} = 10,8 \dots 13,2\text{ V}$ $I_8 < 5\text{ mA}$ $-I_{13} = -I_{16} < 5\text{ mA}$ $-I_{25} < 12\text{ mA}$ $P_{tot} < 1,7\text{ W}$ $\vartheta_a = 0 \dots +70^\circ\text{C}$	$u_{16/3SS} = 0,74 \dots 1,48\text{ V}$ $u_{13/3SS} = 0,94 \dots 1,88\text{ V}$ $I_{CC} = 70 \dots 110\text{ mA}$ $U_{8sat} < 500\text{ mV}$ Farbe „Aus“ $I_8 < 10\ \mu\text{A}$ Farbe „Ein“ $U_{13} = U_{16} = 5,5 \dots 6,5\text{ V}$ $U_{25} < 5,5\text{ V}$ $U_{25} > 7,0\text{ V}$	$u_{27/28} = 0$, $U_{22} = 1\text{ V}$ $u_{27/28} = 0$, $U_6 = 7,7\text{ V}$ $U_{22} = 1\text{ V}$, $I_8 = 5\text{ mA}$ $U_8 = U_5$, $U_6 = 2\text{ V}$ $u_{27/28} = 0$, $U_{22} = 2\text{ V}$ $U_6 = 7\text{ V}$, $u_{27/28} = 0$ Farbe „Aus“ $U_6 = 6\text{ V}$, $u_{27/28} = 0$ Farbe „Ein“	11



A 3520 Blockschaltung block diagram

- 1 controlled colour amplifier
- 2 limiter
- 3 clamping switch
- 4 scanning colour switch
- 5 SECAM-intermediate switch
- 6 SECAM-flip-flop colour switch-identification
- 7 d. c. level displacement
- 8 limiter
- 9 clamping circuit
- 10 scanning — colour switch
- 11 threshold detector
- 12 1 μs -pulse generator