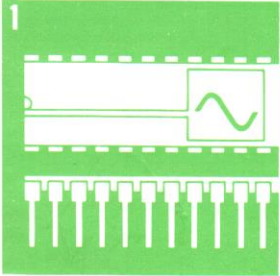
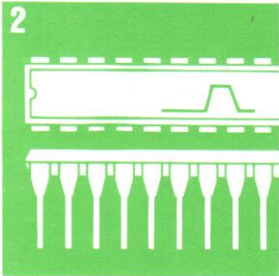
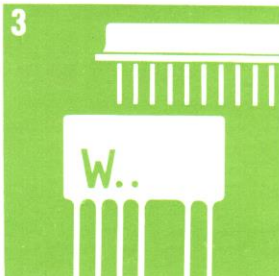
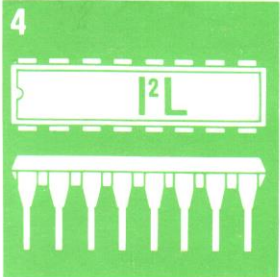
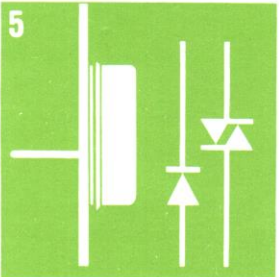
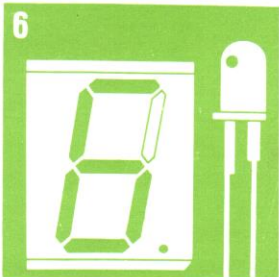
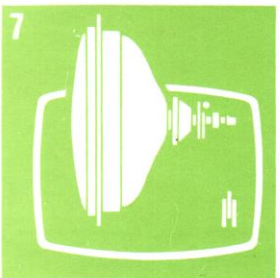
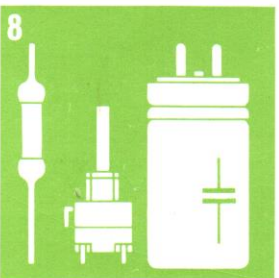
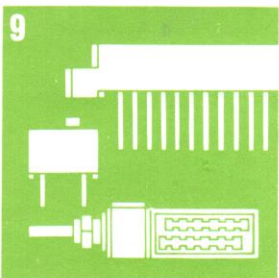
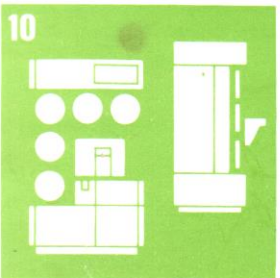
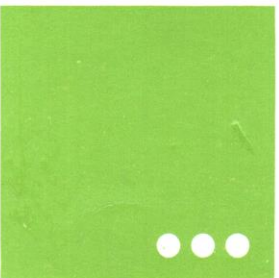


TESLA

ELEKTRONICKÉ SOUČÁSTKY
KONCERN ROŽNOV

Integrated Circuits Integrierte Schaltkreise

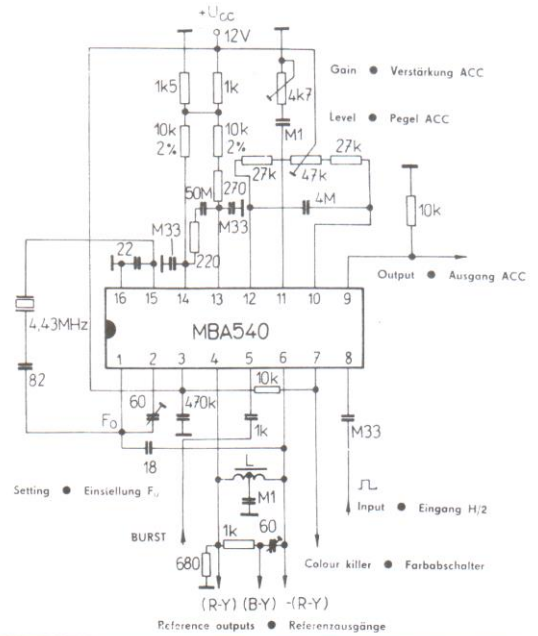
1		2		3		Linear Integrated Circuits	1
4		5		6		Digital Integrated Circuits	2
7		8		9		Hybrid Integrated Circuits	3
10						Custom Integrated Circuits	4
						Semiconductor Devices	5
						Optoelectronic Devices	6
						TV Picture Tubes	7
						Passive Electronic Components	8
						Connectors	9
						Production Equipment	10

REFERENCE SIGNAL R-Y, B-Y SOURCE,
 VOLTAGE SOURCE FOR GAIN CONTROL OF
 COLOUR AMPLIFIER AND COLOUR KILLER,
 OSCILATOR OF AUXILIARY COLOUR CARRIER.

REGELSPANNUNGSERZEUGUNG FÜR FARBARTSIGNAL,
 ERZEUGUNG VON FARBABSCHALT- UND
 IDENTIFIKATIONS-SIGNAL,
 FARBHILFSTRÄGER-OSZILLATOR

Maximum ratings ● Grenzwerte

$U_{3/16}$	min.	10,2	V
$U_{3/16}$	max.	13,2	V
P_{tot}	max.	680	mW
ϑ_a	min.-max.	-25 ... +70	°C
ϑ_{stg}	min.-max.	-25 ... +125	°C



Outlines ● Abmessungen IO 14

Characteristic data

Kenndaten

$\vartheta_a = +25^\circ\text{C}$, $U_{3/16} = 12\text{V}$,
 $U_{8/16\text{ M/M}} = 2,5\text{V}$ (square wave voltage H/2 ●
 H/2-Rechteckspannung)
 $U_{5/16\text{ M/M}} = 1,4\text{V}$ (burst signal input ● Burst-Signal)

Characteristic data	Kenndaten	nom.	min.-max.	Unit
Reference signal output voltage R-Y (peak-to-peak value)	Referenzsignal-Ausgangsspannung R-Y (Spitze-Spitze-Wert)	$U_{4/16\text{ M/M}}$	1,5	V
Colour killer output voltage colour on colour off	Farbabschalter-Ausgangsspannung Farbe „Ein“ Farbe „Aus“	$U_{7/16}$ $U_{7/16}$	12	V
Colour killer output current colour on colour off	Farbabschalter-Ausgangsstrom Farbe „Ein“ Farbe „Aus“	I_7 I_7	< 250	mV
ACC output voltage of colour amplifier at correct phase H/2 ¹⁾ at incorrect phase H/2 ¹⁾	Farbartsignal-Regelspannung bei richtiger Phase H/2 bei falscher Phase H/2	$U_{9/16}$ $U_{9/16}$	4 ... 0,2	V
Supply current consumption	Gesamt-Stromaufnahme	I_3	4 ... 11	V
Active synchronisation range ²⁾	Aktiver Synchronisationsbereich		< 50	mA
Information data:			± 300	Hz
Voltage gain of oscillator section	Spannungsverstärkung des Farbhilfsträger-Oszillators	$G_{15/1}$	4,5	
Voltage gain of reactance section (pins 13 and 14 interconnected)	Spannungsverstärkung der Reaktanzstufe (Ausführungen 13 u. 14 verbunden)	$G_{15/2}$	1,1	
Passive synchronisation range ²⁾	Passiver Synchronisationsbereich		± 600	Hz
Input resistance of oscillator section	Eingangswiderstand der Oszillatorstufe	R_{15}	5,2	k Ω
Input capacitance of oscillator section	Eingangskapazität der Oszillatorstufe	C_{15}	3,7	pF
Temperature coefficient of oscillator section	Temperaturkoeffizient der Oszillatorstufe	TK_{osc}	< 2	Hz/K
Phase difference between reference and colour synchronisation signal (oscillator pulling $\pm 400\text{ Hz}$)	Phasendifferenz zwischen Referenz- und Phasensynchronisationssignal (Frequenzablage $\pm 400\text{ Hz}$)		± 10	°

¹⁾ For zero colour synchronisation signal to be adjust by ACC level $U_{9/16} = 4\text{V}$.
 Für Null-Synchronisationsfarbsignal stellt sich durch ACC-Pegel $U_{9/16} = 4\text{V}$ ein.
²⁾ Crystal TESLA Q700. ● Quarz TESLA Q700.