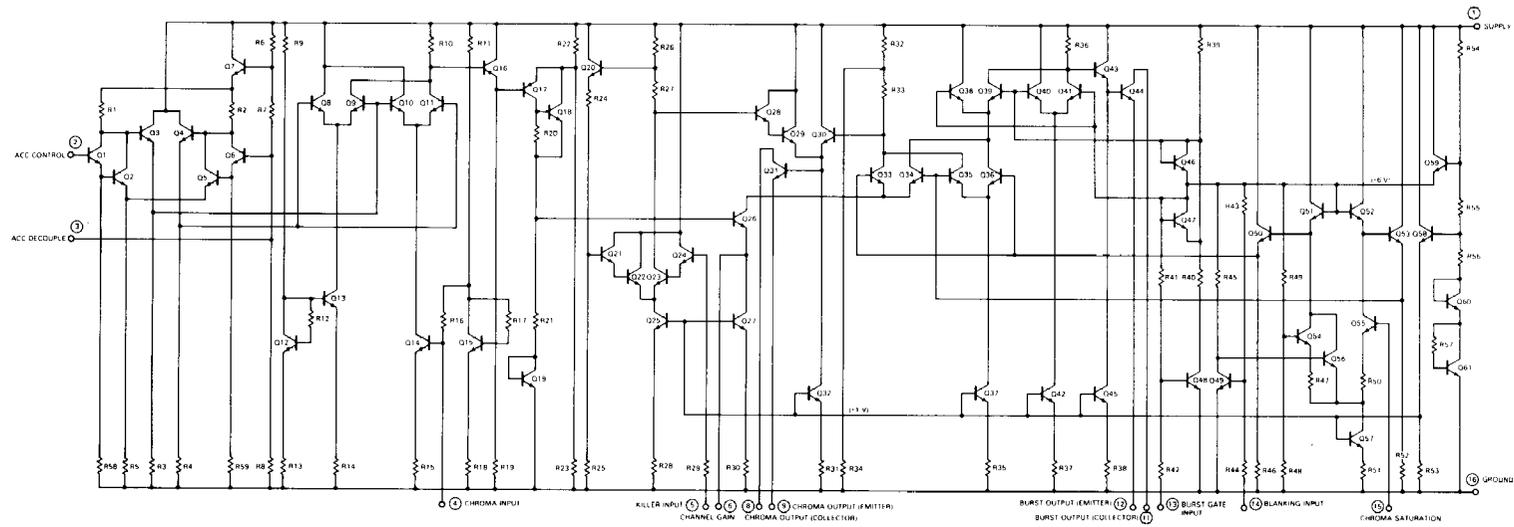


EQUIVALENT CIRCUIT



4-181

○ = Pin Numbers

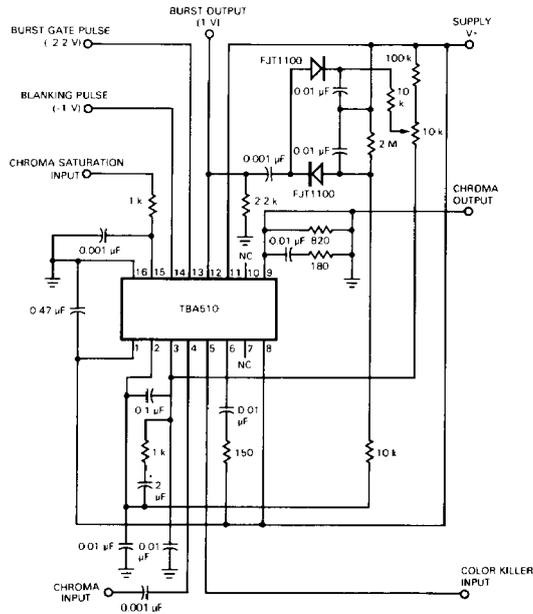
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ELECTRICAL CHARACTERISTICS: $T_A = 25^\circ\text{C}$, $V_+ = 12\text{V}$, See Test Circuit, unless otherwise specified.

CHARACTERISTICS	CONDITIONS	MIN	TYP	MAX	UNITS
Chroma Input (pin 4) Peak-to-Peak Signal at Chroma Input (V_{4p-p}) Input Impedance of Chroma Signal (Z_4)		15	150 3.0	300	mV_{p-p} $\text{k}\Omega$
Burst Output (pin 11 and 12) DC Voltage at Color Burst Output (V_{12}) Peak-to-Peak Signal at Color Burst Output (V_{12p-p}) Collector Current of Color Burst Output (I_{11})	(Note 2)		8.0 1.0 4.0		V V_{p-p} mA
Chroma Output (pin 8 and 9) DC Voltage at Chroma Output (V_9) Peak-to-Peak Signal at Chroma Output (V_{9p-p}) Range of Contrast and Saturation Control Collector Current at Chroma Output (I_8)	(Note 3)	-30	7.0 1.0 5.0	+6.0	V V_{p-p} dB mA
ACC Input (pin 2) ACC Input Voltage (V_2) for Maximum Gain (Note 4) Input Impedance of ACC Control (Z_2)			50 2.5		V $\text{k}\Omega$
Chroma Saturation Control Input (pin 15) Control Voltage Range (V_{15}) (Note 4) Input Impedance (Z_{15})		1.5 50		4.5	V $\text{k}\Omega$
Chroma Blanking Input (pin 14) Switching Level Range (V_{14}) Input Impedance (Z_{14})		-5.0	2.0	-1.0	V $\text{k}\Omega$
Burst Gate Input (pin 13) Switching Level Range (V_{13}) Input Impedance (Z_{13})		-5.0	4.0	-2.2	V $\text{k}\Omega$
Color Killer Input (pin 5) Input Voltage (V_5) for: Color on Color off Signal Suppression at Color Off Input Impedance (Z_5)		2.5 0 50 100		4.0 1.8	V V dB $\text{k}\Omega$

TEST CIRCUIT



NOTES:

1. NC — no connection (not to be used as a tie point).
2. Color burst output kept constant by ACC circuit.
3. Chroma output (emitter) at nominal saturation and maximum contrast.
4. Gain control characteristic positive.

