

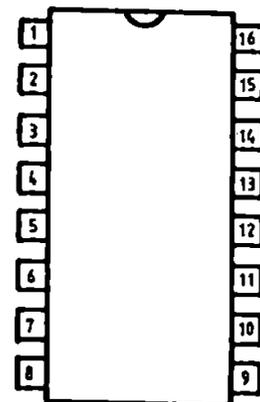
**TCA 640
CHROMINANCE AMPLIFIER FOR PAL/SECAM DECODER**

The TCA 640 is an integrated chrominance amplifier for either a SECAM decoder or a double standard PAL/SECAM decoder. Switching of the standard is performed internally and is controlled by an external applied DC signal. In addition to the chrominance amplifier, the circuit also incorporates a 7.8 kHz flip-flop, an identification circuit for SECAM, a blanking circuit, a burst gating circuit and a color killer detector. For PAL identification, the TBA 540 integrated circuit should be used.

Features

- Operating temperature	-25 ... +70 oC
- Storage temperature	-25 ... +125 oC
- Supply voltage	max. 13.2 V
- Supply current	typ. 37 mA
- Chrominance output signal (SECAM)	1.8 ... 2.3 Vpp
- Chrominance output signal (PAL)	425 ... 575mVpp
- Burst output PAL	typ. 1 Vpp
- Out ut resistance (SECAM identification) ...	typ.2.45 kohms
- Output current (SECAM identification)	typ. 2 mApp
- Square-wave output	2.5 ... 3.5Vpp
- Output color killer voltage (v16=4V-PAL)	max. 0.5 V
- Output color killer voltage (v16=1V-PAL)	min. 11.5 V
- Burst rejection	min. 40 dB

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- | 1. Chrominance output
 - | 2. GND
 - | 3. Chrominance input
 - | 4. PAL/SECAM selector
 - | 5. Chrominance input
 - | 6. Line identification input
 - | 7. Frame identification input
 - | 8. Color killer output
 - | 9. SECAM integrator
 - | 10. SECAM integrator
 - | 11. LC circuit SECAM (identifier)
 - | 12. H/2 output (7.5 kHz)
 - | 13. PAL burst output
 - | 14. V+
 - | 15. Chrominance output
 - | 16. ACC input



PACKAGE MP-117 / TOP VIEW