

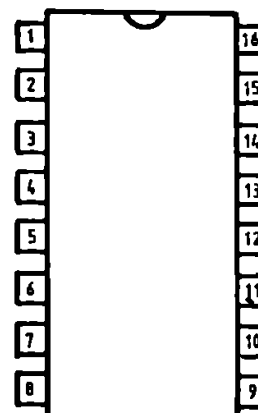
TBA 540 PAL REFERENCE COMBINATION

The TBA 540 is an integrated reference oscillator circuit for PAL TV receivers. The oscillator employs a quartz crystal and incorporates automatic phase and amplitude control. A synchronous demodulator is used to compare the phase and amplitude of the swinging burst ripple with the PAL flip-flop waveform and generates appropriate ACC (automatic color control) and identification signals. A high standard of noise immunity has been obtained by using synchronous demodulation.

Features

- Operating temperature	-25 ... +70 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	max. 13.2 V
- Supply current	typ. 33 mA
- R-Y reference signal output	typ. 1.5 Vpp
- Color killer output (color ON)	typ. 12 V
- Color killer output (color OFF)	max. 0.25 V
- ACC output signal range :	
- correct phase of PAL switch	0.2 ... 4 V
- incorrect phase of PAL switch	4 ... 11 V
- Voltage gain (G15-1)	typ. 4.7 -
- Voltage gain (G15-2 ; pins 13/14 shorted) ..	typ. 1.3 -
- Input resistance	typ. 3.4 kohms

- | 1. Oscillator feedback output
- | 2. Control stage output
- | 3. V+
- | 4. Reference signal output
- | 5. Burst input
- | 6. Reference signal input
- | 7. Color killer output
- | 8. H/2 input
- | 9. ACC output
- | 10. ACC level setting
- | 11. ACC gain control
- | 12. ACC level setting
- | 13. \ Oscillator phase
- | 14. / DC control
- | 15. Oscillator feedback input
- | 16. GND



PACKAGE MP-117 / TOP VIEW