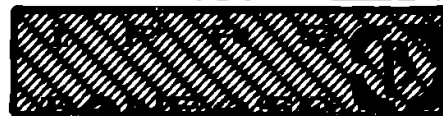


LINEAR INTEGRATED CIRCUITS -RADIO-TV-



BA 758
BA 758C

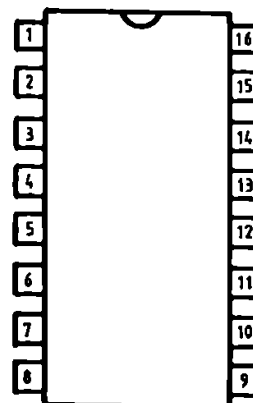
PHASE LOCKED LOOP FM STEREO MULTIPLEX DECODERS

The BA 758 and BA 758C are monolithic Phase Locked Loop stereo multiplex decoders. Internal functions include automatic mono-stereo switching and drive for an external lamp to indicate stereo mode operation. These circuits use a low number of external components (no external coils are required). There is only one control to adjust : a potentiometer to set the oscillator frequency.

Features

- Operating temperature	0 ... +70 °C
- Storage temperature	-25 ... +125 °C
- Supply voltage	max. 16 V
- Supply current (Lamp OFF)	max. 35 mA
- Voltage at lamp driver pin (Lamp OFF)	max. 16 V
- Available lamp current	max. 100 mA
- Voltage supply ripple rejection	typ. 45 dB
- Channel separation	min. 30 dB
- Channel balance	max. 1.5 dB
- Voltage gain	0.5 ... 1.5 -
- Total harmonic distortion	typ. 0.4 %
- Capture range	2 ... 6 %fo
- 38 kHz rejection	min. 20 dB
- 19 kHz rejection	min. 20 dB

- | 1. Composite signal input
- | 2. Amplifier output
- | 3. Left deemphasis
- | 4. Left output
- | 5. Right output
- | 6. Right deemphasis
- | 7. Lamp indicator
- | 8. GND
- | 9. Stereo switch filter
- | 10. Stereo switch filter
- | 11. Pilot signal 19 kHz
- | 12. Detector input
- | 13. PLL filter
- | 14. PLL filter
- | 15. RC oscillator
- | 16. V+



PACKAGE MP-117 / TOP VIEW