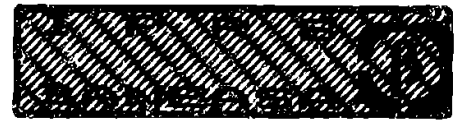


**LINEAR
INTEGRATED
CIRCUITS
-RADIO-TV-**



**TBA 530
RGB MATRIX PREAMPLIFIER**

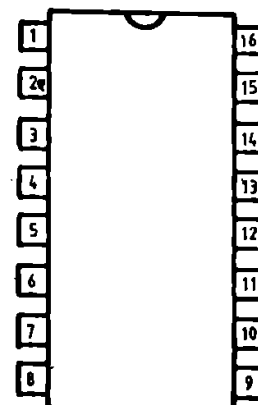
The TBA 530 is an integrated circuit for color TV receivers, incorporating a matrix preamplifier for RGB cathode or grid drive of the picture tube.

Due to its internal configuration, the integrated circuit has a close thermal matching between channels.

Features

- Operating temperature	-25 ... +70	oC
- Storage temperature	-25 ... +125	oC
- Supply voltage	max.	13.2 V
- Supply current	typ.	30 mA
- Current throw load resistances	max.	10 mA
- Output current	max.	50 mA
- Bias current	typ.	2.5 MA
- Ratio of gain of luminance amplifier to color amplifier (f = 0.5 MHz)	0.3 ... 1.1	-
- Input resistance of color difference amplifiers (f = 1 kHz)	typ.	60 kohms
- Input capacitance of color difference amplifiers (f = 1 MHz)	typ.	3 pF
- Input resistance of luminance amplifier (f = 1 kHz)	typ.	20 kohms
- Input capacitance of luminance amplifier (f = 1 MHz)	typ.	10 pF

- | 1. Load resistance R
- | 2. Input - (R-Y)
- | 3. Input - (G-Y)
- | 4. Input - (B-Y)
- | 5. Input Y
- | 6. GND
- | 7. Bias current
- | 8. V+
- | 9. Feedback B
- | 10. Output B
- | 11. Load resistance B
- | 12. Feedback G
- | 13. Output G
- | 14. Load resistance G
- | 15. Feedback R
- | 16. Output R



PACKAGE MP-117 / TOP VIEW