

**TBA 570A
AM - FM RECEIVER**

The 570A is an AM - FM receiver circuit for use in portable radios, radio recorders and car radios.

For AM receivers (long, medium and short waves), the integrated circuit includes : oscillator, mixer, 60 dB AGC controller, IF amplifier, AM detector, audio preamplifier and a driver for the output stage.

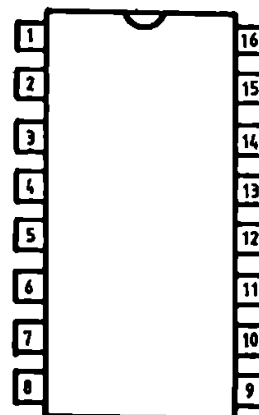
For FM receiver (ultrashort wave) the integrated circuit includes : limiter-amplifier IF, voltage regulator, audio preamplifier and an output stage.

The internal output stage can drive a final class B power amplifier up to 6 W, built with only two power transistors.

Features

- Operating temperature	-25 ...	+70 °C
- Storage temperature	-25 ...	+125 °C
- Power dissipation at 25 °C	max.	500 mW
- Supply voltage	3 ...	18 V
- Supply current without external components	max.	15 mA
- Signal to noise ratio (AM operation) at 26 dB	min.	36 uV
- AGC range (AM operation)	min.	60 dB
- FM-IF sensitivity	min.	140 uV
- Distorsions on the volume control potentiometer (AM operation)	max.	3 %

1. IF filter input
2. Mixer signal input
3. Mixer oscillator input
4. Oscillator external tank
5. AM detector output
6. Decoupling
7. FM limiter output
8. V+
9. Output GND
10. Compensation
11. Output
12. Preamplifier input
13. Feedback
14. AGC decoupling
15. IF amplifier input
16. GND



PACKAGE MP-117 / TOP VIEW