



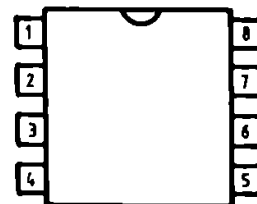
**βM 387AN
βM 387N
LOW NOISE DUAL PREAMPLIFIERS**

The integrated circuits βM 387AN, βM 387N are low noise dual preamplifiers. Each amplifier is completely independent, with individual internal power supply decoupler-regulator, providing 110 dB supply rejection ratio and 60 dB channel separation. The amplifiers are internally compensated for voltage gain exceeding 10.

Features

| | |
|--|-----------------------------|
| - Operating temperature | -25 ... +70 °C |
| - Storage temperature | -25 ... +125 °C |
| - Supply voltage | βM 387AN ... max. 40 V |
| | βM 387N ... max. 30 V |
| - Voltage gain (open loop) | typ. 160000 - |
| - Supply current | typ. 10 mA |
| - Input current (negative input) | typ. 0.5 uA |
| - Output source current | typ. 8 mA |
| - Output sink current | typ. 2 mA |
| - Unity gain bandwidth | typ. 15 MHz |
| - Input voltage (linear operation) | max. 300 mVrms |
| - Channel separation (f = 1 kHz) | typ. 40 dB |
| - Supply rejection ratio (f = 1 kHz) | typ. 110 dB |
| - Total equivalent input noise ... | βM 387AN ... max. 0.9 uVrms |
| | βM 387N ... max. 1.2 uVrms |

- 1. Input 1+
- 2. Input 1-
- 3. GND
- 4. Output 1
- 5. Output 2
- 6. V+
- 7. Input 2-
- 8. Input 2+



PACKAGE MP-48 / TOP VIEW