

**LINEAR
INTEGRATED
CIRCUITS
- OPERATIONAL -
- AMPLIFIERS -**



**µM 3900AE
µM 3900BE
QUAD NORTON OPERATIONAL AMPLIFIERS**

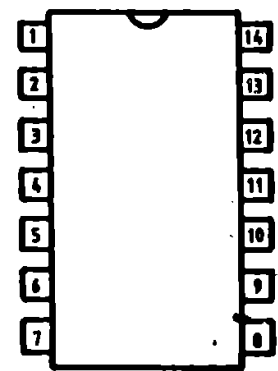
The integrated circuits µM 3900AE , µM 3900BE consist of four independent dual input, internally compensated amplifiers, which were designed specifically to operate from a single power supply and to provide a large output voltage swing.

These amplifiers make use of a current mirror to achieve the non-inverting input function. Application areas include: AC amplifiers, RC active filters, waveform generator circuits.

Features

- Operating temperature	0 ...	+70 °C
- Storage temperature	-55 ...	+125 °C
- Supply voltage	µM 3900AE ..	+4 ... +36 V
	µM 3900BE ..	+4 ... +18 V
- Input current	max.	20 mA
- Supply current	max.	10 mA
- Voltage gain	min.	1.2 V/mV
- Input bias current	max.	200 nA
- Output voltage swing	min.	13.5 V
- Output current source	min.	6 mA
- Output current sink	min.	0.5 mA
- Cut-off frequency	typ.	2.5 MHz
- Slew rate	typ.	2.5 V/µs
- Supply voltage rejection ratio	typ.	70 dB

- | 1. Input 1+
- | 2. Input 2+
- | 3. Input 2-
- | 4. Output 2
- | 5. Output 1
- | 6. Input 1-
- | 7. V-
- | 8. Input 3-
- | 9. Output 3
- | 10. Output 4
- | 11. Input 4-
- | 12. Input 4+
- | 13. Input 3+
- | 14. V+



PACKAGE TO-116 / TOP VIEW