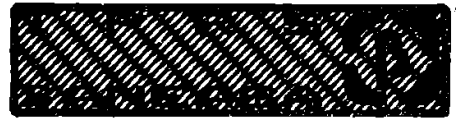


**LINEAR
INTEGRATED
CIRCUITS
- OPERATIONAL -
- AMPLIFIERS -**



**BA 741M
BA 741J
BA 741
OPERATIONAL AMPLIFIERS**

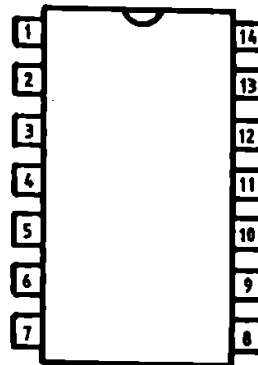
BA 741 series are general purpose operational amplifiers which feature improved performances over industry standards. The amplifiers offer many features : overload protection on the input, no latch-up when the common mode range is exceeded, as well as freedom from oscillations.

Features

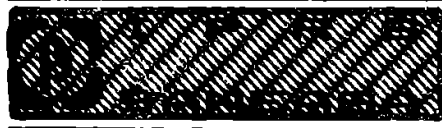
- Operating temperature	BA 741M ...	-55	+..	+125	oC
	BA 741J ...	0	...	+70	oC
	BA 741 ...	0	...	+70	oC
- Storage temperature	BA 741, BA 741J ...	-25	...	+125	oC
	BA 741M ...	-55	...	+125	oC
- Supply voltage		max.	+/-	22	V
- Differential input voltage (Note 1)		max.	+/-	30	V
- Input offset voltage	(BA 741J)...	max.	+/-	3	mV
- Input bias current	(BA 741J)...	max.		200	nA
- Large signal voltage gain		typ.		200	V/mV
- Cut-off frequency		typ.		1	MHz
- Slew rate		typ.		0.5	V/us
- Supply voltage rejection ratio		typ.		30	uV/V
- Common mode rejection ratio		typ.		90	dB

(1) For $V_{+/-}$ less than 15 V, is equal with the supply voltage.

- 1. NC
- 2. NC
- 3. Offset null
- 4. Inverting input
- 5. Non-inverting input
- 6. V-
- 7. NC
- 8. NC
- 9. Offset null
- 10. Output
- 11. V+
- 12. NC
- 13. NC
- 14. NC



PACKAGE TO-116 / TOP VIEW



**LINEAR
INTEGRATED
CIRCUITS**

**- OPERATIONAL -
- AMPLIFIERS -**

**βA 741MN
βA 741JN
βA 741N
OPERATIONAL AMPLIFIERS**

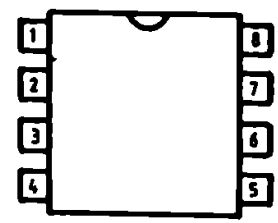
βA 741N series are general purpose operational amplifiers which feature improved performances over industry standards. The amplifiers offer many features : overload protection on the input, no latch-up when the common mode range is exceeded, as well as freedom from oscillations.

Features

- Operating temperature	βA 741MN ...	-55 ... +125 °C
	βA 741JN ...	0 ... +70 °C
	βA 741N ...	0 ... +70 °C
- Storage temperature	βA 741N, βA 741JN ...	-25 ... +125 °C
	βA 741MN ...	-55 ... +125 °C
- Supply voltage		max. +/- 22 V
- Differential input voltage (Note 1)		max. +/- 30 V
- Input offset voltage	(βA 741JN) ...	max. +/- 3 mV
- Input bias current	(βA 741JN) ...	max. 200 nA
- Large signal voltage gain		typ. 200 V/mV
- Cut-off frequency		typ. 1 MHz
- Slew rate		typ. 0.5 V/us
- Supply voltage rejection ratio		typ. 30 uV/V
- Common mode rejection ratio		typ. 90 dB

(1) For $V_{+/-}$ less than 15 V, is equal with the supply voltage.

- 1. Offset null
- 2. Inverting input
- 3. Non-inverting input
- 4. V-
- 5. Offset null
- 6. Output
- 7. V+
- 8. NC



PACKAGE MP-48 / TOP VIEW