$ βM 101A
$ βM 301A
OPERATIONAL AMPLIFIERS

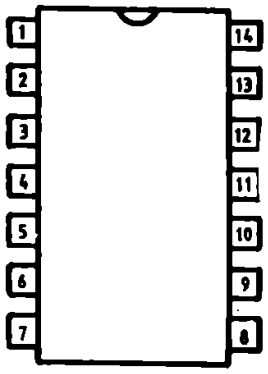
The βM 101A series are general purpose operational amplifiers wich feature improved performances over industry standards. The amplifiers offer many features : overload protection on the input and output, no latch-up when the common mode range is exceeded, freedom from oscillation and compensation with a single 30 pF capacitor .

Features

- Operating temperature	βM 101A ...	-55 ...	+125 oC
	βM 301A ...	0 ...	+70 oC
- Storage temperature	βM 101A ...	-55 ...	+125 oC
	βM 301A ...	-25 ...	+125 oC
- Supply voltage	βM 101A ...	max.	+/- 22 V
	βM 301A ...	max.	+/- 18 V
- Differential input voltage (Note 1)		max.	+/- 15 V
- Input offset voltage	(βM 101A)...	typ.	0.7 mV
- Input bias current	(βM 101A)...	typ.	30 nA
- Large signal voltage gain		typ.	160 V/mV
- Supply voltage rejection ratio		typ.	96 uV/V
- Common mode rejection ratio		min.	70 dB

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

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



PACKAGE TO-116 / TOP VIEW

$ Preliminary data

$ βM 101AN
$ βM 301AN
OPERATIONAL AMPLIFIERS

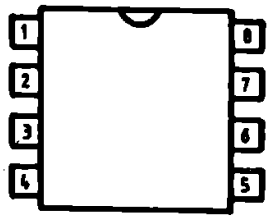
The βM 101AN series are general purpose operational amplifiers wich feature improved performances over industry standards. The amplifiers offer many features : overload protection on the input and output, no latch-up when the common mode range is exceeded, freedom from oscillation and compensation with a single 30 pF capacitor .

Features

- Operating temperature	βM 101AN ...	-55 ...	+125 oC
	βM 301AN ...	0 ...	+70 oC
- Storage temperature	βM 101AN ...	-55 ...	+125 oC
	βM 301AN ...	-25 ...	+125 oC
- Supply voltage	βM 101AN ...	max. +/- 22	V
	βM 301AN ...	max. +/- 18	V
- Differential input voltage (Note 1)		max. +/- 15	V
- Input offset voltage	(βM 101AN)...	typ. 0.7	mV
- Input bias current	(βM 101AN)...	typ. 30	nA
- Large signal voltage gain		typ. 160	V/mV
- Supply voltage rejection ratio		typ. 96	uV/V
- Common mode rejection ratio		min. 70	dB

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

1. Balance/compensation
2. Inverting input
3. Non-inverting input
4. V-
5. Balance
6. Output
7. V+
8. Compensation



PACKAGE MP-48 / TOP VIEW

$ Preliminary data