








SINGLE BIPOLAR OP-AMPS

EXTERNAL COMPENSATION

Part number	Function	Low power < 1 mA	Single supply	Adjustable offset	Bandwidth > 2 MHz	Other charac.	Page*
LM101A/LM201A/LM301A	General purpose			●		I _B < 100 nA	63
LM108,A/LM208,A/LM308,A	Precision	●				High gain	73
TAA761/TAA762/TAA765	Open collector						165
UA748	General purpose					I _B < 500 nA	279

(T_{amb} = + 25°C)

CHARACTERISTIC	SYMBOL	UNIT	LM101A LM201A LM301A	LM108A LM208A LM308A	TAA761 TAA762 TAA765	UA748
Supply voltage	V _{CC(max)}	V	± 18	± 18	± 18	± 18
Input offset voltage	V _{IO(max)}	mV	7.5	7.5	6	6
Input offset current	I _{IO(max)}	nA	50	1	300	200
Input impedance	R _{I(min)}	MΩ	0.5	10	0.2 typ.	0.3
Input bias current	I _{B(max)}	nA	250	7	1000	500
Slew rate	S _{VO(typ)}	V/μs	0.5	—	9	0.5
Supply voltage rejection ratio	S _{VR(min)}	dB	70	80	74	76
Short-circuit current	I _{SC(typ)}	mA	—	—	—	25
Voltage gain	A _{VD(min)}	V/mV	25	25	12	20
Input voltage range	V _{IM(min)}	V	± 12	± 14	± 12	± 12
PACKAGE		SUFFIX				
Plastic SO 8		FP	●	●		●
Plastic DIL 6/8	 	DP	Ⓚ	Ⓚ	Ⓚ	Ⓚ
Cerdip DIL 8		DG	●	●		●
Chip carrier		GC	●	●		●
Metal can TO-99		H	●	●		●
6-pin metal can		H			●	
Page*			63	73	165	279

* Indicated page numbers refer to the linear data book.