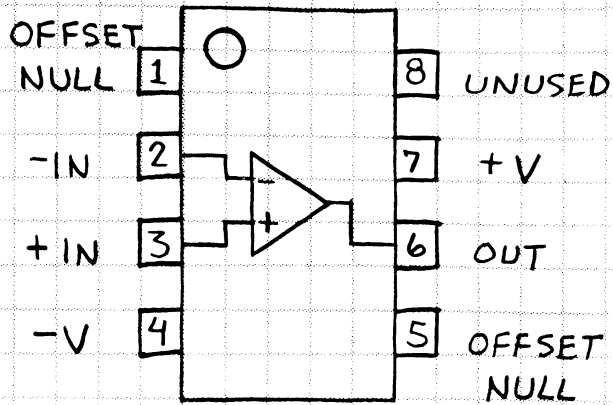


741 OP-AMP

THE 741 IS A HIGHLY POPULAR GENERAL PURPOSE OP-AMP. IT IS SIMPLE TO USE, RELIABLE, AND INEXPENSIVE. IT IS USED IN MOST CIRCUITS IN THIS BOOK.



MAXIMUM RATINGS

SUPPLY VOLTAGE	± 18 V
POWER DISSIPATION	500 mW
DIFFERENTIAL INPUT VOLTAGE	± 30 V
INPUT VOLTAGE (NOTE 1)	± 15 V
OUTPUT SHORT CIRCUIT TIME	INDEFINITE
OPERATING TEMPERATURE	0°C TO 70°C

NOTE 1: INPUT VOLTAGE SHOULD NOT EXCEED SUPPLY VOLTAGE WHEN SUPPLY VOLTAGE IS LESS THAN ± 15 VOLTS.

CHARACTERISTICS (NOTE 2)

INPUT OFFSET VOLTAGE	2 TO 6 mV
INPUT RESISTANCE	.3 TO 2 M Ω
VOLTAGE GAIN	20,000 TO 200,000
COMMON-MODE REJECTION RATIO	70 TO 90 dB
BANDWIDTH	.5 TO 1.5 MHz
SLEW RATE	.5 V / μ SEC
SUPPLY CURRENT	1.7 TO 2.8 mA
POWER CONSUMPTION	50 TO 85 mW

NOTE 2: VALUES SHOWN ARE TYPICAL OR MINIMUM TO TYPICAL.