

Or, Call Customer Service at 1-800-548-6132 (USA Only)

PIN ASSIGNMENTS

PIN	FUNCTION	DESCRIPTION
1	-V _S	Analog Negative Supply
2	LOG COM	Logic Common
3	+V _L	Logic Positive Supply
4	NC	No Connection
5	CLK	Clock Input
6	LE	Latch Enable Input
7	DATA	Serial Data Input
8	-V _L	Logic Negative Supply
9	V _{OUT}	Voltage Output
10	RF	Feedback Resistance
11	SJ	Summing Junction
12	ANA COM	Analog Common
13	I _{OUT}	Current Output
14	MSB ADJ	MSB Adjustment Terminal
15	TRIM	MSB Trim-pot Terminal
16	+V _S	Analog Positive Supply

ABSOLUTE MAXIMUM RATINGS

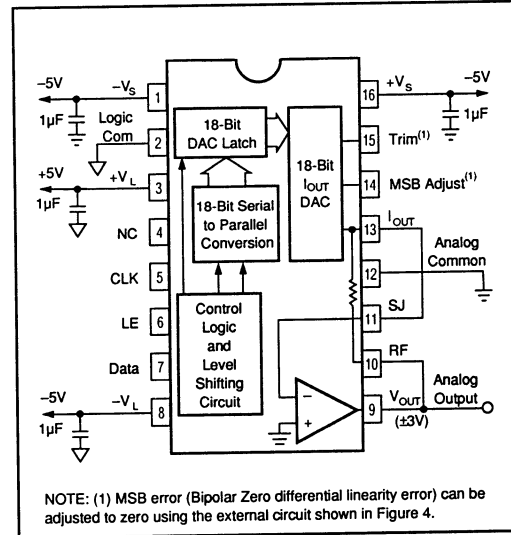
DC Supply Voltages	±16VDC
Input Logic Voltage	-1V to V _S /+V _L
Power Dissipation	850mW
Operating Temperature Range	-25°C to +70°C
Storage Temperature Range	-60°C to +100°C
Lead Temperature (soldering, 10s)	+300°C

PACKAGE INFORMATION⁽¹⁾

MODEL	PACKAGE	PACKAGE DRAWING NUMBER
PCM61P-P	16-Pin Plastic DIP	180
PCM61P-J	16-Pin Plastic DIP	180
PCM61P-K	16-Pin Plastic DIP	180

NOTE: (1) For detailed drawing and dimension table, please see end of data sheet, or Appendix D of Burr-Brown IC Data Book.

CONNECTION DIAGRAM



DIGITAL INPUT	ANALOG OUTPUT		
	DAC Output	Voltage (V) V _{OUT} Mode	Current (mA) I _{OUT} Mode
Binary Two's Complement (BTC)	+FS	-0.99999237	+2.99997711
1FFFF Hex	BPZ	0.00000000	0.00000000
00000 Hex	BPZ - 1LSB	+0.00000763	-0.00002289
3FFFF Hex	-FS	+1.00000000	-3.00000000
20000 Hex			

TABLE I. PCM61P Input/Output Relationships.

PCM61P

3

DIGITAL-TO-ANALOG CONVERTERS