



Package Code 4

<p>Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches</p>	Revisions				<u>Impellimax</u>	
					OUTLINE	
					Sheet 1 of 2	
<p>Information herein is believed accurate. Suitability not guaranteed.</p>					Drawn By: P.C.	Date: 4/20/00
					DRF: 458	Approved: P.C.

PIN	CONNECTION	PIN	CONNECTION
1	- 5 V	22	NC
2	Output 1B	21	Output 1A
3	NC	20	NC
4	Output 1 Diode	19	Mode 1
5	NC	18	Input 1
6	Ground	17	+ 5 V
7	NC	16	Input 2
8	Output 2 Diode	15	Mode 2
9	NC	14	NC
10	Output 2B	13	Output 2A
11	- 5 V	12	NC

Notes:

- 1) Switching speed is 5 to 8 nsec into resistive loads.
- 2) Unit contains internal .01 bypass caps on both supplies.
- 3) Pin 1 and Pin 11 are not internally connected.
- 4) Unit provides X-Nor function. Allow one input to float hi (or tie to +5V) for noninverting operation. Ground one input to cause the remaining input to be inverting.
- 5) Outputs provide +/- 20 mA into 51 ohm loads.
- 6) Output 1A and Output 1B are in-phase with each other. Output 2A and Output 2B are in-phase with each other. Diode output is connected to the respective Output thru a resistor to allow symmetrical current operation with asymmetrical loads, such as when shunt diodes are used in series with matching resistors.

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