



<p>Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches</p>	<b>Revisions</b>				<b><u>Impellimax</u></b>		
					<b>OUTLINE</b>		
							Sheet 1 of 2
	<p>Information herein is believed accurate. Suitability not guaranteed.</p>				<p>Drawn By: P. C.</p>		<p>Date: 8/9/02</p>
<p>DRF: 650</p>					<p>Approved: P. C.</p>		

PIN	CONNECTION	PIN	CONNECTION
1	Ground	22	Test Point 1
2	Input 1	21	Output 1
3	Mode 1	20	Test Point 2
4	Input 2	19	Output 2
5	Mode 2	18	NC
6	Input 3	17	Test Point 3
7	Mode 3	16	Output 3
8	Input 4	15	Test Point 4
9	Mode 4	14	Output 4
10	VCC (+5V +/- 0.5V)	13	NC
11	Ground	12	VEE (-5V to -15V)

Notes:

- 1) Reverse Voltage Protection.
- 2) Regular outputs provide 10 nsec maximum (6 nsec typical) turn on time and 12 nsec maximum (8 nsec typical) turn off time into resistive loads.
- 3) Testpoint switching speed is 40 nsec typical (positive-going) and 50 nsec typical (negative-going) when driving short-lifetime RF diodes in shunt configuration.
- 4) Regular outputs provide +10 mA / -35 mA output current into antiparallel diode loads.
- 5) When using a 1N4148 diode grounded cathode load at testpoint 1 and 2, positive current output to be 110 mA +/- 15 mA. Forward voltage drop of diodes to be .93V +/- .03 V.
- 6) Regular outputs are useful for pulse repetition rates to 20 MHz when using short-lifetime diodes, with +/- 5V supply voltages.
- 7) Testpoints are useful for pulse repetition rates to 2 MHz (5 MHz typical) when using short-lifetime diodes. Testpoints are capable of providing 200 nsec positive pulses at a 20% Duty cycle.
- 8) Inputs are inverting when mode control is held low (0V) and non-inverting when mode control is held high (+5V).
- 9) Regular outputs have internal spiking capacitors to provide large current spikes during the time that the driver is switching states.
- 10) Operating temperature range is -55C to +125 C.

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					Drawn By: P.C.	Date: 8/9/02	Drawing #
					DRF: 650	Approved: P. C.	9731-50