Rset
(60, 207)

-Vinternal
(126, 217)

Proprietary Circuit

and Layout

-Vapplied
(7, 7)

Inv Output
(52, 7)

Ground
(100, 7)

TTL Input
(147, 7)

Noninv Output
(237, 27)

+ 5 V
(267, 7)

One Channel Moderate Speed Driver for GaAs MMIC Switching

Notes :

1) Substrate size is .280 inch by .230 inch nominal. Backside is bare ceramic.

2) Use -Vapplied and Rset if supply voltage is excessive for GaAs IC. Connect Rset, in the range of 220 ohms to 4.7K typical, between Rset pin and -Vapplied in order to set output negative amplitude for optimal GaAs switching. Alternatively, to maximize negative amplitude, apply negative supply to -Vinternal.

3) Switching speed is 20 nsec typical.

4) Input is TTL compatible. With logic Hi applied, inverting output switches to negative output state while the noninverting output switches to the ground output state. Outputs reverse for logic low input.

5) Unit contains internal .01 uF bypass caps on both supplies.

Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches	Revisions				Impellimax		
	A	ECO 1995	3/3/2000	PC	**OUTLINE**		
							Sheet 1 of 1
Information herein is believed accurate. Suitability not guaranteed.					Drawn By: PC	Date: 2/19/9	Drawing #
					DRF: 281	Approved: PC	GS1-52