



**Three Channel Fast Driver for GaAs MMIC Switching**

Notes :

- 1) Substrate size is .510 inch by .265 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 10 to 15 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.

<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 1
<p>Information herein is believed accurate. Suitability not guaranteed.</p>					Drawn By: PC	Date: 3/6/00	Drawing # <b>GF3-51</b>
					DRF: 439	Approved: PC	