



|   |                  |  |  |  |                          |                                     |
|---|------------------|--|--|--|--------------------------|-------------------------------------|
| <p>Tolerances<br/>Except as Noted</p> <p>.x = +/- .05<br/>.xx = +/- .01<br/>.xxx = +/- .005</p> <p>Dimensions<br/>in inches</p> | <b>Revisions</b> |  |  |  | <b><u>Impellimax</u></b> |                                     |
|   |                  |  |  |  | <b>OUTLINE</b>           |                                     |
|   |                  |  |  |  | Not to scale             | Sheet 1 of 2                        |
| <p>Information herein is<br/>believed accurate.<br/>Suitability not<br/>guaranteed.</p>   |                  |  |  |  | <p>Drawn By: P.C.</p>    | <p>Date: 10/4/00</p>                |
|   |                  |  |  |  | <p>DRF: 513</p>          | <p>Approved: P.C.</p>               |
|   |                  |  |  |  |                          | <p>Drawing #<br/><b>9690-50</b></p> |

| PIN | CONNECTION      | PIN | CONNECTION      |
|-----|-----------------|-----|-----------------|
| 1   | + 5 V           | 22  | + 28 V          |
| 2   | Output 1 Noninv | 21  | Output 6 Inv    |
| 3   | Input 1         | 20  | Input 6         |
| 4   | Output 1 Inv    | 19  | Output 6 Noninv |
| 5   | Output 2 Noninv | 18  | Output 5 Inv    |
| 6   | Input 2         | 17  | Input 5         |
| 7   | Output 2Inv     | 16  | Output 5 Noninv |
| 8   | Output 3 Noninv | 15  | Output 4 Inv    |
| 9   | Input 3         | 14  | Input 4         |
| 10  | Output 3 Inv    | 13  | Output 4 Noninv |
| 11  | Ground          | 12  | - 3 V           |

**Notes:**

- 1) Channels are independent and provide complementary outputs. Logic low on a channel input causes the noninverting output of that channel to sink current.
- 2) Outputs are capable of providing up to -100 mA (thru external series resistors) into anode-grounded diodes, or +28V for back-bias of diodes.
- 3) Switching speed is 10 microseconds maximum.
- 4) Unit contains internal .01 uF bypass capacitor on +5V supply and -3V supply. External bypassing is recommended on the +28V supply.
- 5) +5 V and + 28 V supply current are each less than 10 mA under all conditions. -3V supply current is less than 800 mA with one output negative and connected to an anode-grounded diode load.

| Tolerances<br>Except as Noted<br>.x = +/- .05<br>.xx = +/- .01<br>.xxx = +/- .005<br>Dimensions<br>in inches | Revisions   |  |  |  | <b>Impellimax</b> |                |                             |
|--|---|--|--|--|-------------------|----------------|-----------------------------|
|  | Information herein is<br>believed accurate.<br>Suitability not<br>guaranteed. |  |  |  |                   | <b>OUTLINE</b> |                             |
|  |   |  |  |  |                   |                | Sheet 2 of 2                |
|  |   |  |  |  | Drawn By: PC      | Date: 10/4/00  | Drawing #<br><b>9690-50</b> |
|  |   |  |  |  | DRF: 513          | Approved: P.C. |                             |