



<p>Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches</p>	Revisions				<u>Impellimax</u>	
					OUTLINE	
					Not to scale	Sheet 1 of 2
<p>Information herein is believed accurate. Suitability not guaranteed.</p>					Drawn By: P.C.	Date: 6/17/00
					DRF: 470	Approved: P.C.
						Drawing # 9785-50

PIN	CONNECTION	PIN	CONNECTION
1	+ 5 V	22	NC
2	A0 Input	21	Switch 1-1 (A)
3	A1 Input	20	Switch 1-2 (D)
4	NC	19	Switch 2-1 (F)
5	NC	18	NC
6	Ground	17	Amp 1 (B)
7	NC	16	NC
8	NC	15	Amp 2 (E)
9	NC	14	NC
10	NC	13	Switch 2-2 (H)
11	- 5 V	12	DRO (C)

Notes:

- 1) Logic inputs A0 and A1 are compatible with CMOS outputs and require pull-ups if operated with bipolar TTL outputs.
- 2) Switch outputs swing between +4.5V and -4.5V minimum. Output current, in the range of 1 to 25 mA, is to be set by external series resistors. Amplifier and DRO outputs are not current limited and do not actively pull down to ground.
- 3) Switch speed is 2 microseconds typical, 8 microseconds maximum.
- 4) Unit contains internal .01 uF bypass capacitors on both power supplies.
- 5) Supply current, exclusive of load current, is +/- 10 mA max when operated at +/- 5V at low PRF.

Band	Control Line		Switch1-1		Switch1-2		Switch2-1		Amp 1		Amp 2		Switch2-2		DRO	
Conn Pt	5	3	A	D	D	F	F	B	B	E	E	H	H	C	C	
V / I	A1	A0	V	mA	V	mA	V	mA	V	mA	V	mA	V	mA	V	mA
X Band	0	0	+5	+20	-5	-20	+5	+20	+5	+24	0	0	-5	-20	0	0
K Band	0	1	-5	-20	+5	+20	+5	+20	+5	+24	+5	+24	+5	+20	+5	+25
S Band	1	0	+5	+20	-5	-20	-5	-20	+5	+24	0	0	+5	+20	+5	+25
X Bnd tst	1	1	+5	+20	+5	+20	+5	+20	0	0	0	0	+5	+20	0	0

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