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NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. THE SPECIFIED LEAD DIAMETER APPLIES TO THE ZONE BETWEEN .050 AND .250 FROM THE CASE SEAT. BETWEEN .250 AND THE END OF LEAD A MAXIMUM OF .021 IS HELD. OUTSIDE OF THESE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.
3. MAXIMUM DIAMETER LEADS AT A GAGING PLANE $.054 \pm .001$ BELOW CASE SEAT TO BE WITHIN .007 OF THEIR TRUE LOCATION RELATIVE TO MAX. WIDTH TAB AND TO THE MAXIMUM .270 DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
4. INDEX TAB FOR VISUAL ORIENTATION ONLY.
5. MEASURED FROM MAX. DIAMETER OF THE ACTUAL DEVICE.
6. LEAD MAT: ND1002001
7. PIN 4 ELECTRICALLY CONNECTED TO CASE

DESIGN PARAMETERS 25°C AMBIENT (UNLESS OTHERWISE SPECIFIED)								
PARAMETER	CONDITIONS AT PINS						MIN	MAX
	1	2	3	4	5	6		
BASE CURRENT I_1	.785V	.790V	GND	.790V		3V		.680 ma
BASE CURRENT I_2	.790V	.785V		.790V				.680 ma
BASE CURRENT I_3	.790V	.790V		.785V				.680 ma
OUTPUT VOLTAGE PIN 7	.785V	OPEN		OPEN	V_o			.400V
OUTPUT VOLTAGE PIN 7	OPEN	.785V		OPEN	V_o			.400V
OUTPUT VOLTAGE PIN 7	OPEN	OPEN		.785V	V_o			.400V
OUTPUT CURRENT AT PIN 7	.540V	.540V		.540V	.785V		3.48 ma	
SATURATION VOLTAGE	1.20V	OPEN		OPEN	V_s			.35V
SATURATION VOLTAGE	OPEN	1.20V		OPEN	V_s			.35V
SATURATION VOLTAGE	OPEN	OPEN		1.20V	V_s			.35V
LEAKAGE CURRENT	OPEN	OPEN		OPEN	6V			100 MICRO AMPS
EMITTER BASE REVERSE CURRENT IEBO	GND	GND	6.5V	GND	OPEN	OPEN		1 ma
COLLECTOR CUTOFF CURRENT	GND	GND	OPEN	GND	10	OPEN		1 ma

MAXIMUM RATINGS AT 25°C

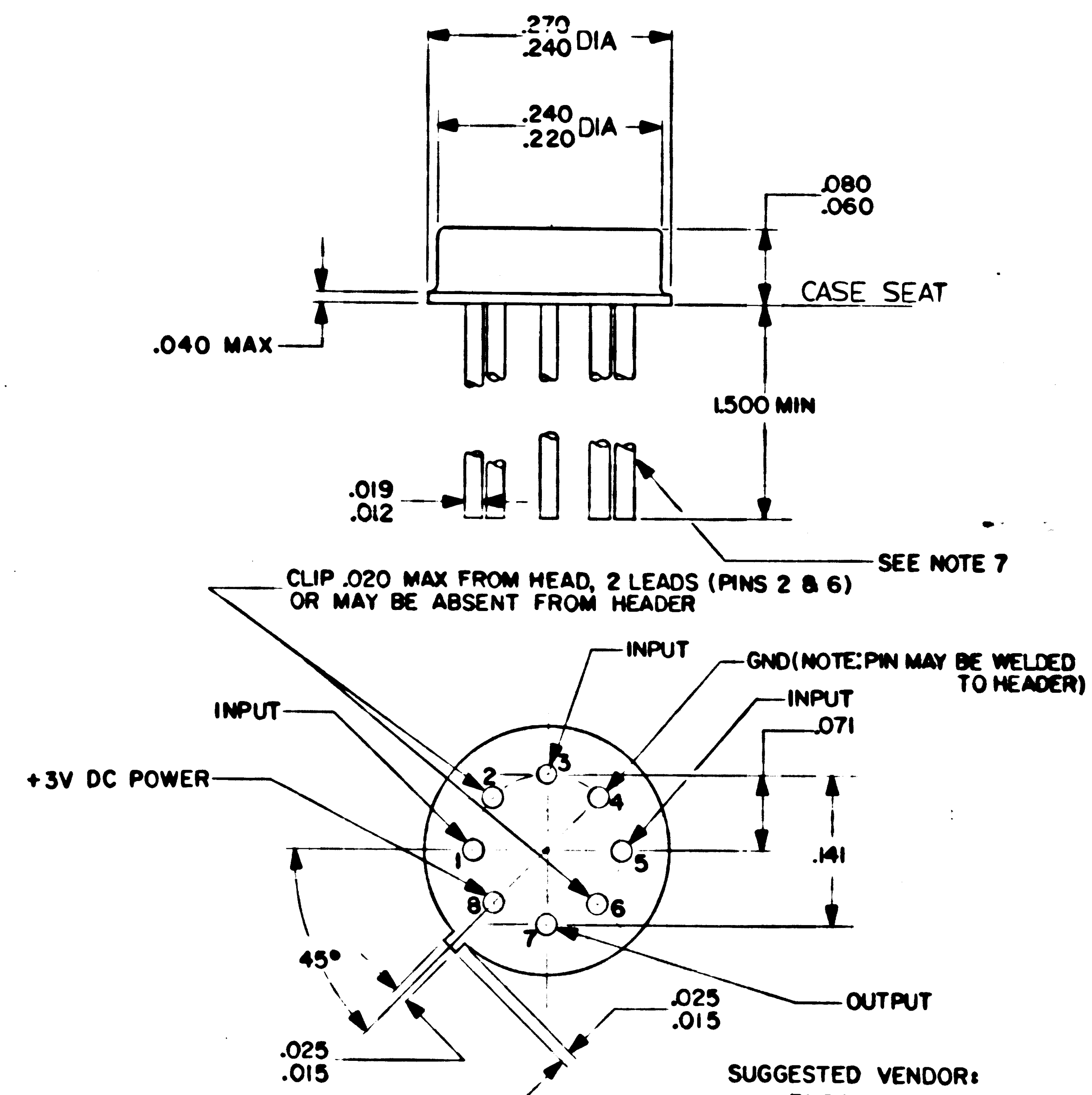
MAXIMUM VOLTAGE TO PIN 8	+15.0 VOLTS
MAXIMUM VOLTAGE APPLIED TO ANY INPUT PIN	± 4.0 VOLTS
STORAGE TEMPERATURE	-65°C TO +200°C
OPERATING TEMPERATURE	0 TO 70°C
MAXIMUM AVERAGE PROPAGATION DELAY	35 nSEC
FAN OUT OF 5 WITH FAN IN OF 3 FROM	0 TO 70°C

INCHES
0 1 2
PHOTOGRAPHIC SCALE ONLY

1229001

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
	TAKEN FROM DRAWING NO. C-887948	7-19-62	
A	REVISED PER TDR 00064	10-5-62	W 10/1/62



FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 00027

DATE 7-19-62

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS. DWS. NO. CONTRACT		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN R. CHIN DATE 7-19-62 CHECKED Joe Martin APPROVAL W.B. Lawrence APPROVAL Eldon C. Hall		MICRO-NOR GATE (TO 47 SIZE) SPECIFICATION CONTROL DRAWING	
NASA APPROVAL [Signature] 7-19-62 MIT APPROVAL [Signature] 9/13/62		CODE IDENT NO. SIZE C	NASA DRAWING NO. 1006771
HEAT TREATMENT FINAL FINISH		SCAL. NONE WT	SHEET 1 OF 1