·	•
	4. · · · · · · · · · · · · · · · · · · ·
•	NOTICE — WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERN- MENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEY- ING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.
	REQUIREMENTS:
	1. GENERAL:
D	A. INTERPRET DRAWING IN ACCOR MIL-D-70327.
	B. UNITS SHALL MEET THE REQUI FICATIONS AND ADDITIONS SP
	C. THE SUPPLIER SHALL CONFORM AS CONTAINED IN ND 1015404
	D. UNITS SHALL BE CAPABLE OF I IN ND 1002048 UNLESS MODIF DRAWING.
	E. PACKAGING AND PACKING: UN ACCORDANCE WITH MIL-S-1949
	2. ACCEPTANCE AND INSPECTION:
	A. LOT: A LOT IS DEFINED AS MENT SELECTED FROM A SINGL MATERIALS WHICH ARE CONTRO FROM THE BEGINNING TO THE
C	B. INSPECTION CONDITIONS: UN INSPECTIONS SHALL BE MADE DEGREES CENTIGRADE PLUS OR
	C. ELECTRICAL: 100% TESTING (1) UNITS SHALL BE SUBJEC ND 1002017.
	D. MECHANICAL: (REFERENCE MI (1) LEAD FATIGUE (DESTRUC
В	STANDING THE FOLLOWIN HELD IN A VERTICAL PO FROM THE LEAD UNDER T PERFORMED, A CYCLE CO UNIT, WHILE IN THE SA IN ONE DIRECTION, THE AND BACK 90 DEGREES T DAMAGE SHALL BE EVIDE
	UNITS PER LOT SHALL B (2) LEAD TENSION: EACH L AN AXIAL PULL OF 4 PO DAMAGE SHALL BE EVIDE UNITS PER LOT SHALL B
	(3) THE ABOVE MECHANICAL
•	PROCURE ONLY FROM APPROVED SOURCES ND 1002034 FOR THIS DRAWING.
A	
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RDANCE WITH STANDARDS PRESCRIBED BY

JIREMENTS OF MIL-S-19500 WITH THE MODI-SPECIFIED HEREIN.

M TO THE QUALITY ASSURANCE PROVISIONS 4, CLASS 2.

MEETING THE QUALIFICATION REQUIREMENTS AS CONTAINED FIED OR AMENDED BY SECTION 2 OF THIS

INIT PACKAGING AND PACKING SHALL BE IN 491, LEVEL A IN BOTH INSTANCES.

A GROUP OF PARTS IN A SINGLE PROCURE-LE CONTINUOUS PRODUCTION RUN USING LIKE ROLLED USING A PROCESS WHICH IS THE SAME END OF THE RUN.

NLESS OTHERWISE SPECIFIED HEREIN ALL AT AN AMBIENT TEMPERATURE OF PLUS 25 DR MINUS 3 DEGREES CENTIGRADE.

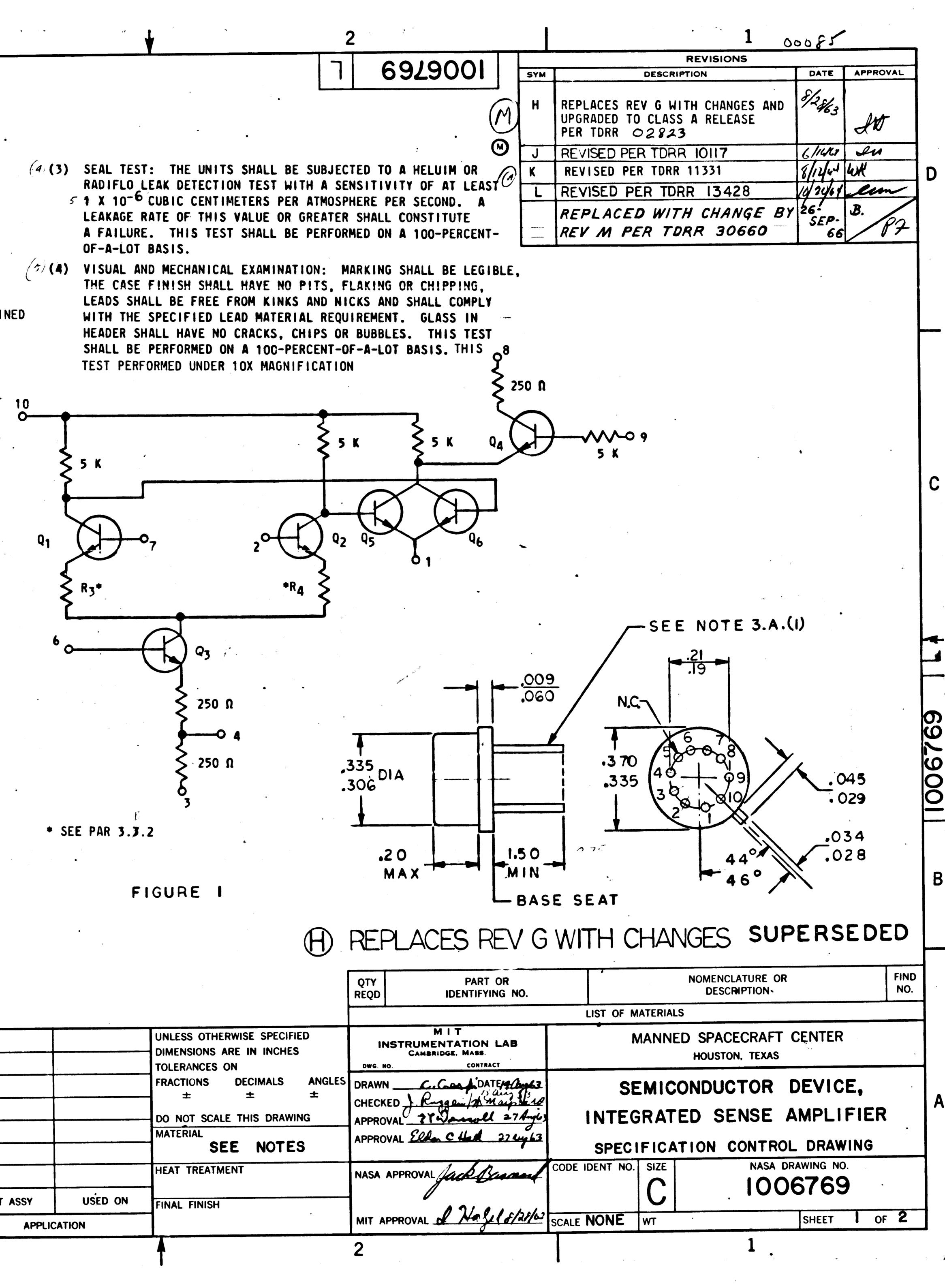
ECTED TO THE ELECTRICAL TESTS SPECIFIED IN

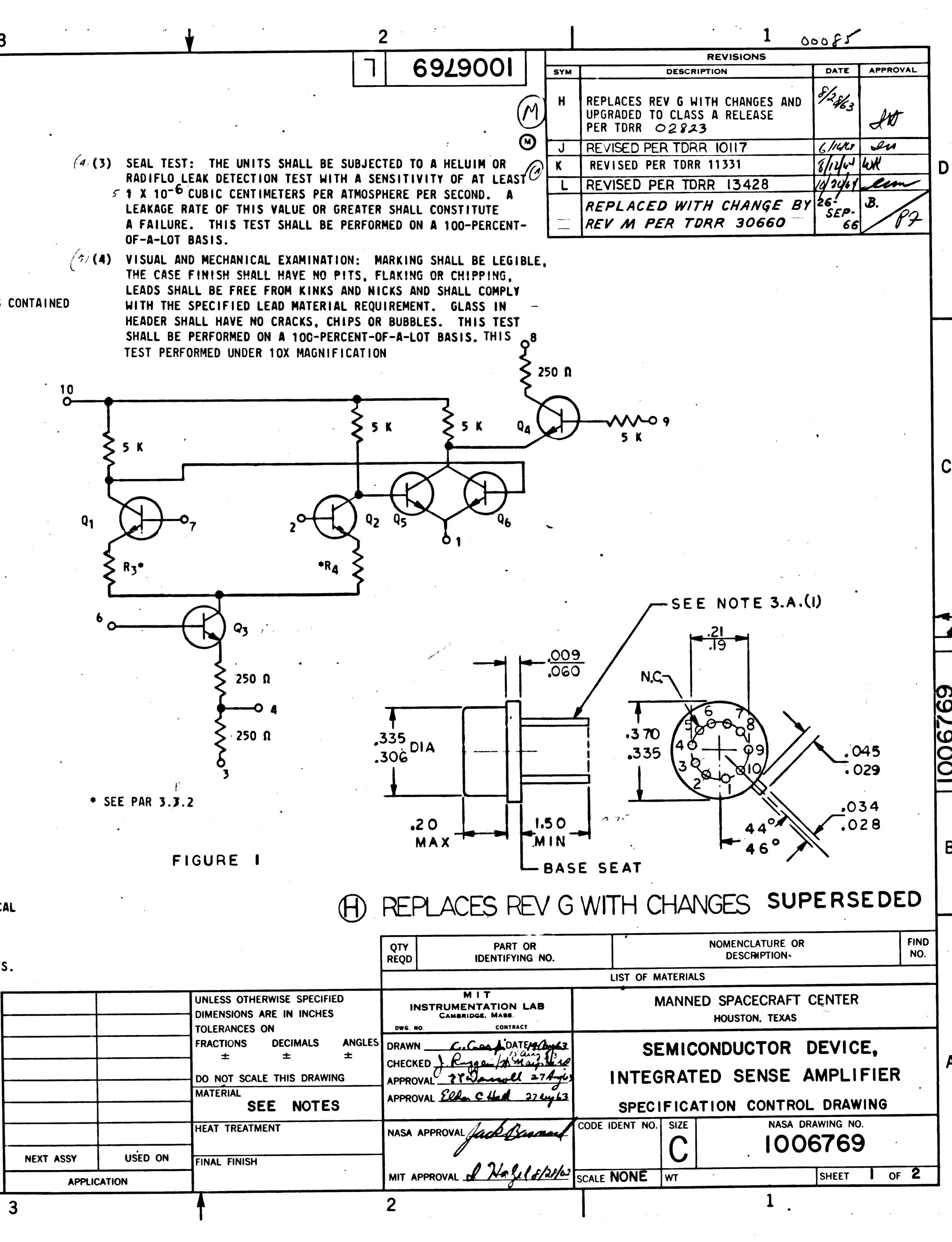
IL-STD-750 AS MODIFIED HEREIN) JCTIVE): LEADS SHALL BE CAPABLE OF WITH-ING LEAD BEND TEST. THE UNIT SHALL BE POSITION WITH A ONE-POUND WEIGHT SUSPENDED TEST. TWO CYCLES OF BENDING SHALL BE CONSISTING OF MOVING THE BODY OF THE AME PLANE, 90 DEGREES FROM THE VERTICAL EN 180 DEGREES IN THE OPPOSITE DIRECTION TO THE ORIGINAL POSITION. NO MECHANICAL ENCED AFTER THE TEST. A SAMPLE OF 3 BE TESTED.

LEAD SHALL BE CAPABLE OF WITHSTANDING OUNDS MINIMUM FOR 30 SECONDS. NO MECHANICAL DENCED AFTER THE TEST. A SAMPLE OF 3 BE TESTED.

TEST TO BE PERFORMED ON ELECTRICAL REJECTS.

ES LISTED IN





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ARE USED FOR A RELATED GOVERN	N GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER NY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINI MENT PROCUREMENT OPERATION, THE UNITED STATES GOV ICURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSO	ITELY /ERN-
AND THE FACT THE IN ANY WAY SUPE NOT TO BE REG	AT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHE PLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DA ARDED BY IMPLICATION OR OTHERWISE AS IN ANY MA IOLDER OR ANY OTHER PERSON OR CORPORATION, OR CO	D. OR ,TA IS NNER
ING ANY RIGHT	S OR PERMISSION TO MANUFACTURE, USE, OR SELL FION THAT MAY IN ANY WAY BE RELATED THERETO.	
REQUIREN	IENTS (CONTINUED):	
3. DE	SIGN:	
A.	MECHANICAL REQUIREMENTS:	BE IRON-NICKEL-COBALT
	IN ACCORDANCE WITH	NASA DOCUMENT PS 10154
		NS FOLLOWS: THE LEAD D
	PLUS .003 MINUS .00	O, IN THE ZONE BETWEEN
		BE .021 MAXIMUM, AND BE UNCONTROLLED. A CER
	PLIANCE WITH THE LE	AD MATERIAL REQUIREMENT
	EACH SHIPMENT. (2) MARKING:	
Europe Konstanting	(a) UNITS SHALL BE	MARKED IN ACCORDANCE
		ACTURER'S IDENTIFICATION AND THE NUMBER 769. PL
	(b) INTERIOR AND I	EXTERIOR SHIPPING CONTA
		DRDANCE WITH MIL-STD-12 ME, LOT OR SERIAL NUMBE
	FACTURE OR COL	DING AND THE NASA DRAWN
		G MARKED WITH THE FOREG UDED IN EACH CONTAINER.
		CASE WITH GLASS HEADER,
	(REFERENCE JEDEC TO (4) SEMICONDUCTOR MATER	
	IVATED SURFACE.	•
	(5) INTERCONNECTIONS:	THE DIFFUSED TRANSISTO ECTED AS SHOWN IN FIGUR
		and a second
		ANSISTORS SHALL BE SEPA ISTORS BY DIFFUSED ISOL
		•
	ELECTRICAL CHARACTERIST	105.
Β.		RACTERISTICS SHALL BE A
	SENSE AMPLIFIER AC	CEPTANCE TEST PROCEDURE
	(2) THE EQUIVALENT CIR	· •
C.		75 MILLIWATTS MAXIMUN
	IN THE TEST CIRCUI	
	(2) STORAGE TEMPERATUR 200 DEGREES CENTIG	E: MINUS 65 DEGREES CE RADE.
		URE: MINUS 20 DEGREES
	125 DEGREES CENTIG (4) THERMAL IMPEDANCE,	JUNCTION TO CASE:
	PER MILLIWATT.	•
		S BETWEEN PIN 10 AND PI
	PECIAL CONDITIONING:	C. ALL UNITE CUALL DE
A.	AT 150 DEGREES CENTIGRA	
. <b>B</b>	ALL UNITS SHALL BE SUBJ	ECTED TO, AND MEET THE
	CONSTANT ACCELERATION T 2006.	ESTS (20,000G) PER MIL
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IRON-NICKEL-COBALT ALLOY (KOVAR) DOCUMENT PS 1015402 EXCEPT LEAD OLLOWS: THE LEAD DIAMETER IN THE .250 FROM THE BASE SEAT SHALL BE .016 IN THE ZONE BETWEEN .250 AND 1.5 FROM .021 MAXIMUM, AND OF THE REMAINDER INCONTROLLED. A CERTIFICATE OF COM-MATERIAL REQUIREMENT SHALL ACCOMPANY

RKED IN ACCORDANCE WITH ND1002019 URER'S IDENTIFICATION, DATE CODE, THE NUMBER 769. PLUS THE REVISION LETTER RIOR SHIPPING CONTAINERS SHALL BE ANCE WITH MIL-STD-129 WITH THE MANU-LOT OR SERIAL NUMBER, DATE OF MANU-AND THE NASA DRAWING NUMBER AND REVISION ARKED WITH THE FOREGOING INFORMATION IN EACH CONTAINER.

WITH GLASS HEADER, HERMETICALLY SEALED CASE).

: SILICON, NPN, DIFFUSED OXIDE PASS-

DIFFUSED TRANSISTORS AND RESISTORS ED AS SHOWN IN FIGURE 1.

ISTORS SHALL BE SEPARATED FROM EACH DRS BY DIFFUSED ISOLATION REGIONS.

TERISTICS SHALL BE AS SPECIFIED IN TANCE TEST PROCEDURE ND 1002017. IS SHOWN IN FIG. 1. THE RESISTOR VALUES SHALL BE ±30%. RESISTOR

MILLIWATTS MAXIMUM WHILE OPERATING ND 1002017. MINUS 65 DEGREES CENTIGRADE TO PLUS • . •

MINUS 20 DEGREES CENTIGRADE TO PLUS • •

ETWEEN PIN 10 AND PIN 3.

ALL UNITS SHALL BE STORED FOR 250 HOURS MIN

ED TO, AND MEET THE REQUIREMENTS OF (20,000G) PER MIL-STD-750 METHOD

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C. THE MANUFACTUR PRIOR TO AND

and the second • • 

--D. UNITS WHICH FA EXCEED THE SPE HIGH TEMPERATI

> SECTION 4.8.1.1 4.8.1.2 4.8.3. • • •

TABLE I: A

NEXT ASSY USED ON APPLICATION

SPECIFIED

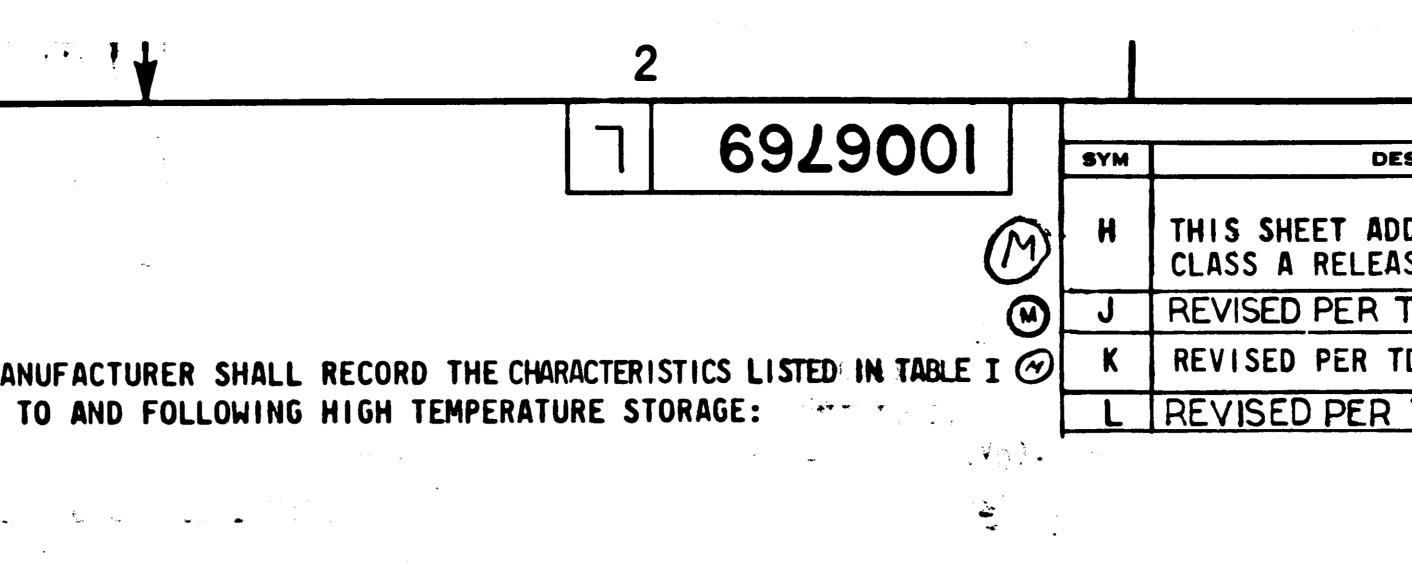


TABLE I					
ELECTRICAL CHARACTERISTICS AS					
IN ACCEPTANCE TEST PROCEDURE ND 1002017					
PARAMETER	CHANGE LIMIT				
$G_1 = V_{03}$	± 10%				
$G_5 = V_{09}$	± 10%				
$VR = V_{07} - V_{01}$	± 10%				

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-	<b>_</b>	69290			EVISIONS			
		09290		DESCRIPTIO	DATE DUPGRADED TO TDRR 02823	APPROVAL		; ;
						M.		
RER SHALL RECORD	THE CHARACTER	ISTICS LISTED IN TA		VISED PER TDRR VISED PER TDRR 11		ut.	• •	
FOLLOWING HIGH TE				VISED PER TDRR	13428 joine	um		
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t uu aan aa	•				• • •			
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AIL TO MEET ALL	INITIAL REQU	IREMENTS OR WHIC	H	•			-	
ECIFIED LIMITS FOUND FOU			IING					
			, ,					
TABLE I								
ELECTRICAL CHAR			·					
PARAMETER	CHANGE LIM	IT	· .		·			
$G_1 = V_{03}$ $G_5 = V_{09}$	± 10% ± 10%						3	
$VR = V_{07} - V_{01}$	± 10%				• • • • • • • • • • • • • • • • • • •			
			• ··· - ··					
LLOWABLE PARAMET	ER CHANGE LI	MITS	<i></i>					
			7	<i>.</i>				
		; ;				d		
	DE COENTED T					Î,		
R <sub>3</sub> AND R <sub>4</sub> SHALL	BE UREALER I	HAN ZU UHMJ.			,			
• •					*			
	· •							
	H) T	HIS SHEE	T ADDED					
	Г					FIND		
			PART OR ITIFYING NO.		MENCLATURE OR DESCRIPTION	NO.		
UNLESS OTHERWISE SF	PECIFIED	міт		LIST OF MATERIALS	SPACECRAFT CENTER			
DIMENSIONS ARE IN IN TOLERANCES ON		INSTRUMENTAT CAMBRIDGE, M	ION LAB		OUSTON, TEXAS			
FRACTIONS DECIMA	±  '	DRAWN	DATE Marines	SEMICON	DUCTOR DEVICE	•		
DO NOT SCALE THIS D	RAWING	APPROVAL ELQUACE	0	INTEGRATED	SENSE AMPLIF	IER /		
MATERIAL		APPROVAL ELL CH	1 27 aug 63	SPECIFICATIO	ON CONTROL DRAWI	NG		
HEAT TREATMENT		NASA APPROVAL	Banner CODE	IDENT NO. SIZE	NASA DRAWING NO. 1006769			
FINAL FINISH	•		Sha FDHW			· · · · · · · · · · · · · · · · · · ·		
			SCALE	NONE WT	SHEET 2	OF 2		
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	INCHES				•			
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