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A. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED

B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-S-19500 WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED HEREIN.

C. THE SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PRO-VISIONS AS CONTAINED IN ND 1015404, CLASS 2.

D. JUNITS SHALL BE CAPABLE OF MEETING THE QUALLEICATION RE-

E. SHIPMENT LOTS MUST MEET THE ACCEPTANCE REQUIREMENTS OF SHALL BE PERFORMED AT THE BUYERS PLANT. ALOTS NOT MEETING THE ACCEPTANCE CRITERIA OF ND 1002264 SHALL BE REJECTED

E. PACKAGING AND PACKING: UNIT PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH MILES-19491 LEVEL A, IN BOTH

(1) SITEMS 1 THRU 5: 100 PERCENT SINSPECTION.

(2) SITEMS 6 AND 7: SAMPLE IN ACCORDANCE WITH MIL-STD-105, INSPECTION LEVEL I, AQL OF 4 PERCENT.

(1) DIMENSIONS: PER OUTLINE. SAMPLE IN ACCORDANCE WITH NIL-STD-105, INSPECTION LEVEL I, AQL OF 4 PERCENT. (2) MARKING: DIODES SHALL BE MARKED IN ACCORDANCE WITH NHL-S-19500 WITH A BLACK OR OTHER PROMINENT COLOR BAND DENOTING THE CATHODE END. UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL BE MARKED IN ACCORDANCE WITH ND 1002019 AND SHALL INCLUDE THE NASA DRAWING NUMBER, REVISION LETTER AND DASH NUMBER. (3) BLEAD MATERIAL: CA CERTIFICATE OF COMPLIANCE SHALL ACCOMPANY EACH SHIPMENT. BLEAD MATERIAL SHALL BE

(1) POWER DISSIPATION: 350 MILEIWATTS AT 25 DEGREES CENTIGRADE ANDIENT TEMPERATURE.

(2) JUNCTION TEMPERATURE (Tj): FROM MINUS 65 DEGREES CENTIGRADE TO PLUS 150 DEGREES CENTIGRADE. CONTACTS 3/8 FROM BODY (3) STORAGE TEMPERATURE (TSTG): FROM NINUS 65 DEGREES CENTIGRADE TO PLUS 200 DEGREES CENTIGRADE. (4) PEAK FORWARD SURGE CURRENT (if SURGE): 1 AMPERE

FOR 1 SECOND MINIMUM. REPETATIVE DUTY CYCLE OF

B. CONSTRUCTION: PLANAR SILICON WITH OXIDE PASSIVATION. CLEAR UNPAINTED GLASS, HERMETICALLY SEALED ENCLOSURE.

PROCURE ONLY FROM APPROVED SOURCES LISTED IN ND 1002034 FOR THIS

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REVISED PER TDRR 29212

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(1) AT FRIE BURS: NO V BURNER WORKING MEGATING 1.2

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SPACECRAFT CENTER HOUSTON, TEXAS

TOR DEVICE, DIODE R, OXIDE PASSIVATED N CONTROL DRAWING DRAWING NO. 1006399 SHEET OF 2

* ** 18. **M** NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTH ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DE RELATED GOVERNMENT PROCUREMENT OPERATION. THE UNITED STAT ERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION EVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORM FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFI OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWI ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORP OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERE ٠ PARAMETER ITEM REVERSE CURRENT REVERSE BREAKDOWN REVERSE RECOVERY T (SEE TEST CIRCUIT FIGURE 1) FORWARD VOLTAGE DRO 4 NIL-STD-750 METHOD 4026 FORWARD VOLTAGE DRO -5 MIL-STD-750 METHOD 4026 CAPACITANCE REVERSE CURRENT

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		TABLE I			
	ELECTRI	CAL CHARACTERISTICS			
LL MEASUR	REMENTS AT	25°C ± 3°C UNLESS OTHERWI'SE NOT	ED		-
1	SYMBOL	CONDITIONS	LIM	ITS Max	UNITS
· .	·IR	VR = 60 VOLTS MIN	-	100	NANDAMPS
VOLTAGE	BV	I _R = 100 UA	70	<i>"</i> •	VOLTS
INE Constant	trr	$I_F = 10$ MA $I_R = 10$ MA	, •	10	NANOSECONDS
		RECOVER TO 1 MA			
OP	۷F	IF = 40 MA RISE TIME \leqslant 100 NANOSEC DUTY CYCLE \leqslant 1% SEE FIG. 2	.730	. 850	VOLTS
OP 	٧F	IF = 400 MA RISE TIME < 100 NANOSEC DUTY CYCLE < 1%, SEE FIG. 2		1.35	VOLTS VOLTS VOLTS VOLTS
	C	$V_R = 1$ VDC f = 1 MC		10	PICOFARADS
-	IR	AT 150 C $V_R = 30$ VOLTS MIN		50	MICROAMPS

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The second se -250 ±25 n sec-· · · · · ----- 500 ±50 n sec-----OUTPUT VOLTAGE WAVE SHA FIGURE 2



•	IEJI UI	RUII			,0 VEN	,
	PULSE GENERATOR 50 OHMS - tr <0.25 n set 6 DB 50 OHMS 0			DIODI UNDEI TEST		
	OTY PART OR		MATERIAL OR NOTES		•	
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FIGURE 1 TEST CIRCUIT - REVERSE RECOVERY TIME

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