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					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 CONYEY- ING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY
					PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.
					REQUIREMENTS:
					1. GENERAL:
					A. INTERPRET DRAWING IN ACCORDANCE WITH STA
			•		B. SUPPLIER SHALL CONFORM TO THE QUALITY AS IN ND 1015404, CLASS 2.
					C. UNITS SHALL BE CAPABLE OF MEETING THE QU
^т алан алар					OF ND 1002047.
					D. UNITS SHALL MEET THE APPLICABLE REQUIREN CLASS R, LIFE EXPECTANCY X WITH THE EXCE
					HEREIN. QUALIFICATION APPROVAL NOT REQU
					THE REPORT AND ADDED TANGE (100% UNLESS OT
					2. INSPECTION AND ACCEPTANCE: (100% UNLESS OTH
					A. MECHANICAL REQUIREMENTS: (1) LEADS SHALL BE IN ACCORDANCE WITH I
			•		COMPLIANCE WITH THIS REQUIREMENT SI
					(2) COLOR SHALL BE RED
					(3) MARKING: UNITS SHALL BE MARKED IN
			inia os		WITH THE MANUFACTURER'S NAME OR SY LEAD IDENTIFICATION, NASA DRAWING
		14 x 1 x 2 = 581			
					B. ELECTRICAL REQUIREMENTS: APPLICABLE PA USING A BOONTON 260A Q-METER OR EQUIVAL
•					(1) PRIMARY INDUCTANCE (Lp): 1.7 MH ±
					WITH TERMINALS 1-2 OPEN. INPUT CA
					IN MEASUREMENT. (2) LEAKAGE INDUCTANCE (LL) 2.3 UH MAX
					WITH TERMINALS 1-2 SHORT CIRCU
					(3) COUPLING CAPACITANCE (C _C): 20. UU
					TERMINALS 1-2 AND TERMINALS 3-4 AN BETWEEN THEM.
					(4) INPUT CAPACITANCE (C1): 8.0 UUF MA
				. /	WITH TERMINALS 1-2 OPEN.
					(5) WORKING VOLTAGE: 50 VOLTS MINIMUN
					(6) DC RESISTANCE:
					(a) TERMINALS 1-2: 1.4 OHMS MAX
					(b) TERMINALS 3-4: 2.7 OHMS MAX
					(7) TURNS RATIO: 1 TO 2. ±3%
					(8) WAVEFORM: FIGURE 1 WILL REPLACE
					THE INPUT PULSE TRAIN SHALL HAVE AND THE PULSE WIDTH SHALL BE 5 MI
					MEASUREMENTS SHALL BE IN ACCORDAN
					4.8.8 RESPECTIVELY OF MIL-T-21038 SHALL MEET THE FOLLOWING SPECIFIC
					CONDITIONS EXCEPT AS OTHERWISE SP
					PERFORMED ON A 5% SAMPLE OF EACH ALLOWED.
					PROCURE ONLY FROM APPROVED SOURCES LISTED IN N
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DANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327. THE QUALITY ASSURANCE PROVISIONS AS CONTAINED

MEETING THE QUALIFICATION REQUIREMENTS

CABLE REQUIREMENTS OF MIL-T-21038, GRADE 7, WITH THE EXCEPTIONS AND ADDITIONS SPECIFIED ROVAL NOT REQID.

DO% UNLESS OTHERWISE SPECIFIED)

ORDANCE WITH ND 1015400. A CERTIFICATE OF REQUIREMENT SHALL ACCOMPANY EACH SHIMMENT.

BE MARKED IN ACCORDANCE WITH ND 1002019 'S NAME OR SYMBOL, PART NUMBER, DASH NO., NASA DRAWING NUMBER AND REVISION LETTER.

APPLICABLE PARAMETERS SHALL BE MEASURED FER OR EQUIVALEN.

Lp): 1.7 MH ± 20%, MEASURED AT TERMINALS. 3-4 PEN. INPUT CAPACITANCE WILL BE ACCOUNTED FOR

-L) 2.3 UH MAXIMUM, MEASURED AT TERMINALS 3-4 SHORT CIRCUITED

(C_C): 20. UUF MAXIMUM, MEASURED BY SHORTING RMINALS 3-4 AND MEASURING THE CAPACITANCE

): 8.0 UUF MAXIMUM MEASURED AT TERMINALS 3-4 PEN.

VOLTS MINIMUM AT 105°C.

1.4 OHMS MAXIMUM.

2.7 OHMS MAXIMUM.

WILL REPLACE THE TEST CIRCUIT, FIGURE 4 OF MIL-T-21038B. N SHALL HAVE A PULSE REPETITION RATE OF 10K CPS ± 10% SHALL BE 5 MICROSECONDS + 02 USEC PULSE DEFINITION AND E IN ACCORDANCE WITH PARAGRAPHS 3.12 AND WE MIL-T-21038B. THE TRANSFORMER OUTPUT WING SPECIFICATIONS MEASURED AT STANDARD OTHERWISE SPECIFIED: THIS TEST SHALL BE AMPLE OF EACH SHIPMENT WITH NO FAILURES

ES LISTED IN ND1002034 FOR THIS DRAWING

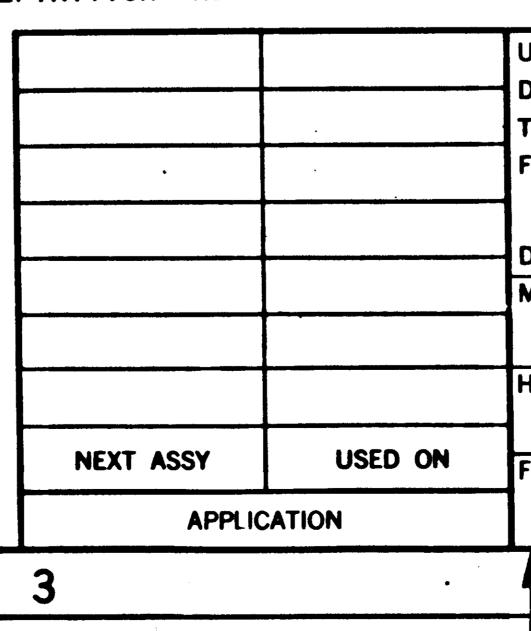
PIN 1 AND PIN 3. 3. DESIGN REQUIREMENTS:

> A. POWER RATING: 0.3 WATT AT 25°C DERATED LINEARLY TO .05 WATT AT 105°C.

PRESSURE: APPLY.

E. OPERATING TEMPERATURE RANGE: 20°C TO 105°C.

4. SPECIAL CONDITIONING (BY MANUFACTURER): 100% TRANSFORMER SHALL BE TEMPERATURE CYCLED FOR 5 CYCLES PER MIL-STD-202 METHOD 102 EXCEPT THAT THE TEMPERATURES SHALL BE -55°& +25°C AND +105°C AND EXPOSURE TIME SHALL BE 15 MINUTES AT EACH TEMPERATURE. DURING THE LAST CYCLE THE UNIT SHALL BE TESTED FOR CONTINUITY AT EACH OF THE AMBIENT CONDITIONS. AFTER STABILIZATION AT ROOM TEMPERATURE UNIT SHALL PASS NORMAL INSPECTION TESTS.



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SYM

PER TDRR

(a) PULSE DURATION: 5 MICROSECONDS ±.02 USEC

(b) PEAK PULSE AMPLITUDE: 2.0 VOLTS MINIMUM.

(c) DROOP: 40% MIN. AT 5.0 MICROSECONDS 60% MAX.

(d) PULSE RISE TIME: 0.1 MICROSECOND MAXIMUM.

(e) PULSE DECAY TIME: 0.1 MICROSECOND MAXIMUM.

(f) OVER SHOOT N/A

(9) DIELECTRIC WITHSTANDING VOLTAGE AT ATMOSPHERE PRESSURE (AT 28 TO 32 INCHES OF MERCURY): IN ACCORDANCE WITH PARAGRAPH 4.8.4.1 OF MIL-T-21038B. TEST BETWEEN

B. DIELECTRIC WITHSTANDING VOLTAGE AT REDUCE BAROMETRIC

IN ACCORDANCE WITH PARAGRAPH 4.8.4.2 OF MIL-T-21038B. TEST CONDITION E IN METHOD 105 OF MIL-STD-202 SHALL

C. UNITS SHALL BE ENCAPSULATED.

D. WTRE SIZE: AWG 41 OR LARGER.

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