


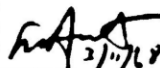
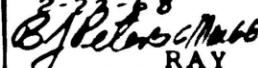
APOLLO G&N Specification
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PROCUREMENT SPECIFICATION
 PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS
 FIXED MEMORY MODULE B1-B6 ASSEMBLY
 DRAWING NO. 2003972

Record of Revisions

Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
				MIT	NASA

This specification consists of pages 1 to 21 inclusive.

APPROVALS	 NASA/MS	EC Hall 3/6/68	W Stameris 6 mar 68 MIT/IL	CCB  3/11/68	F. Hoddard 3-23-68  RAY
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3.1.9 Sense Outputs. With the input and timing waveforms as specified in paragraph 4.2.9, the sense outputs shall be as specified in Figure 3 and as follows:

3.1.9.1 The maximum output on MFT and sense lines, parity through sign shall be as follows:

V_p & V_M NMT 350 mv at 25°C

The minimum output on the MFT shall be as follows:

V_p & V_M NLT 145 mv at 25°C

V_p & V_M NLT 175 mv at -10°C

V_p & V_M NLT 120 mv at 70°C

The minimum V_1 output on sense lines -10°C = 50 mV, +25°C = 45mV
+70°C = 45mV.

Test Sequence:

- A. Ambient Electrical Test Number One
- B. Thermal Conditioning per 3.1.1.
- C. Vibration per 3.1.11
- D. Thermal Extremes Electrical Test per 3.1.10
- E. Continuity and Isolation Tests per 3.1.5 and 3.1.3
- F. Ambient Temperature Test Number Two.

The MFT V_p minimum and V_M minimum shall not change by more than ± 25 mv from Ambient Test Number One to Ambient Test Number Two.

3.1.9.2 Sense line zero noise (V_0 measured between 1.1 ± 0.05 μ sec and 2.3 ± 0.05 μ sec after the start of Logic Reset (FR) shall be NMT 25 mv. See Figure 3.

3.1.9.3 An all zero output shall occur when Logic STAGAT is zero.
 V_0 max = NMT 5 mv, 1.1 to 2.3 μ sec after RSET.

TABLE IV

<u>Requirements</u>	<u>Verification</u>
3.1.1	4.2.2
3.1.2	4.2.3
3.1.3	4.2.4
3.1.4	4.2.5
3.1.5.1	4.2.6.1
3.1.5.2	4.2.6.2
3.1.5.3	4.2.6.3
3.1.7	4.2.7
3.1.8	4.2.8
3.1.9.1	4.2.9.1
3.1.9.2	4.2.9.2
3.1.9.3	4.2.9.3
3.1.9.4	4.2.9.4
3.1.10.1	4.3.1.1
3.1.10.2	4.3.1.2
3.1.11	4.3.2
3.2.1	4.2.1
3.2.2	4.2.10

4.1.1 Test Conditions

4.1.1.1 Environmental. Unless otherwise specified, the assemblies shall be tested under the following ambient conditions:

- | | |
|------------------------|------------------------|
| a. Temperature | 25°C ± 10°C |
| b. Relative Humidity | 90% max |
| c. Barometric Pressure | 28 to 32 inches of Hg. |

4.1.2 Nonconforming Units. Failure of the unit to pass any examination or test of this specification shall automatically classify the unit as nonconforming. Each nonconforming unit corrected by the contractor shall be reinspected. Reinspection may be limited to the test or examination which defined the nonconformance, or, when directed by the cognizant inspector, a complete retest and re-examination may be required. Nonconforming units which have not been corrected will be considered for acceptance only upon formal application by the contractor to the cognizant NASA representative.

4.1.3 Input Voltage. Input voltage, when required, shall be as specified in Paragraph 3.1.3.

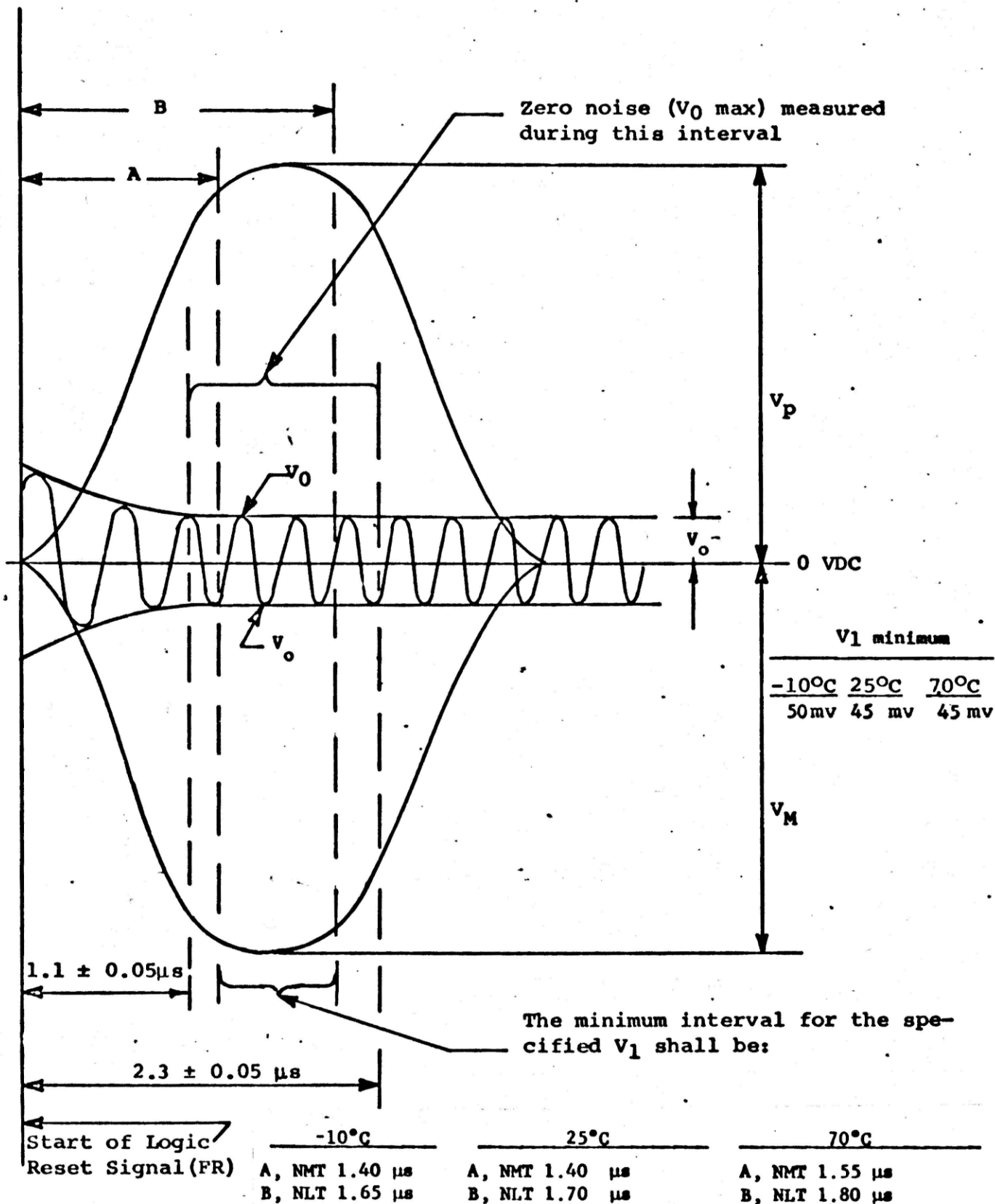


FIGURE 3 ROPE OUTPUT WAVEFORM CHARACTERISTICS