

DATE 9/16/52

SHEET _____ OF _____

TMC SPECIFICATION NO. S -133

C

COMPILED

CHECKED

TITLE: PRODUCTION TEST OF TR-001 TRANSFORMER

APPROVED

PRODUCTION TEST
OF
TR-001 TRANSFORMER

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TMC SPECIFICATION NO. S-133

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TITLE: PRODUCTION TEST OF TR-001 TRANSFORMER

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I. PURPOSE:

- A. The purpose of this specification is to establish a test procedure for the production testing of the TR-001 transformer.

II. MATERIALS REQUIRED:

- A. Test signal generator operating at 2, 8, and 32MC having an adjustable output of 1 volt.
- B. Special jig for transformer testing which allows simple, low loss connections for proper termination.
- C. Vacuum tube voltmeter with RF probe.
- D. Voltage Data Sheets.

III. PROCEDURE:

The test of the TR-001 transformer consists of inserting a series of RF frequencies from a 70 ohm source to the 70 ohm output taps of the transformer, Impedance transformation is to be verified by a number of voltage readings taken when the input impedance is terminated in 200 and 700 ohms, both of which are balanced to ground.

The test may be considered to be divided into two parts. The first consists in terminating the 700 ohm impedance and recording the voltages. The second consists in termination the 200 ohm impedance and recording the voltages.

Connect the test equipment as shown in the following diagrams.

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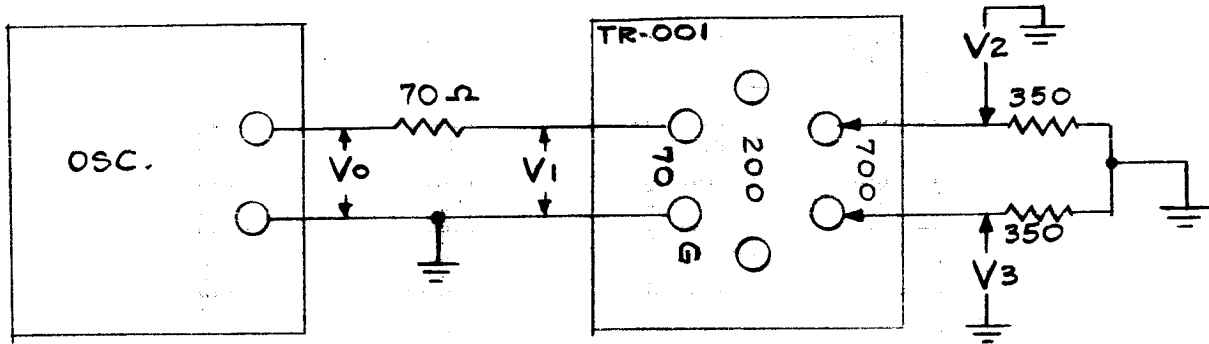
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700 OHM TERMINATION TEST



READINGS BASED ON POTTED UNIT, TOLERANCE +10%

FREQ. MCS.	700 OHM TERMINATION			
	V0	V1	V2	V3
2.0	1.0	.47	.69	.69
8.0	1.0	.47	.68	.68
32.0	1.0	.47	.71	.71

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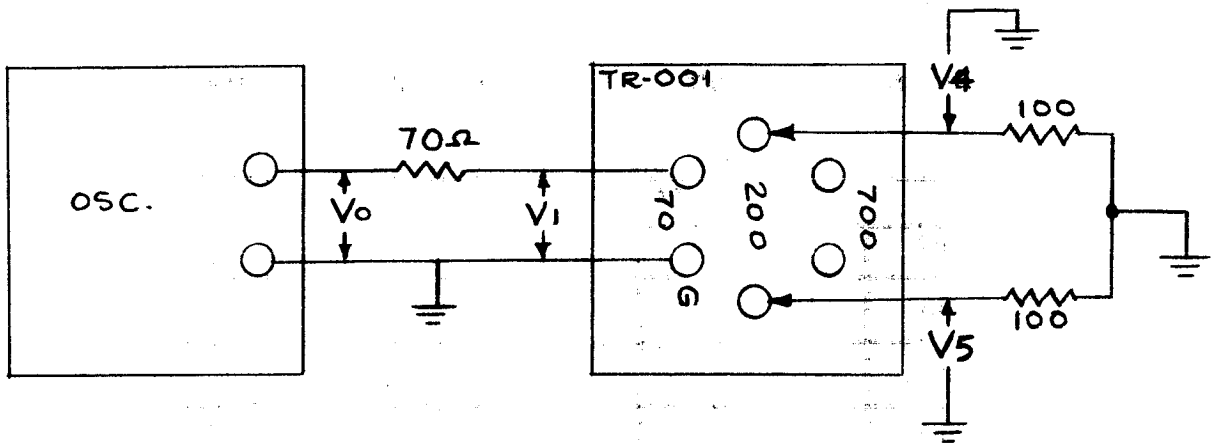
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COMPILED _____ CHECKED _____

TITLE: **PRODUCTION TEST OF TR-001 TRANSFORMER**

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200 OHM TERMINATION TEST



READINGS BASED ON POTTED UNIT, TOLERANCE +10%

FREQ. MCS.	200 OHM TERMINATION			
	V0	V1	V4	V5
2.0	1.0	.47	.34	.34
8.0	1.0	.47	.34	.34
32.0	1.0	.48	.37	.37

