DAYE 1/16/52		TMC SPECIFICATION NO. S -133		
COMPILED	CHECKED	TITLE:	PRODUCTE ON TEST OF TR-001 TRANSFORMER	
APPR	ROVED		(x,y) = (x,y) + (x,y	

PRODUCTION TEST

OF

TR-001 TRANSFORMER

DATE 9/16/32 SHEET 1 OF 3		TMC SPECIFICATION NO. S-133		
COMPILED	CHECKED	TITLE: PRODUCTION TEST OF TR-001 TRANSFORMER	,	
APPR	OVED			

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.

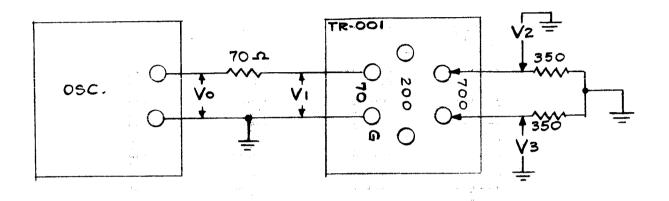
III. PROCEDURE:

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.

700 OHM TARMINATION TEST

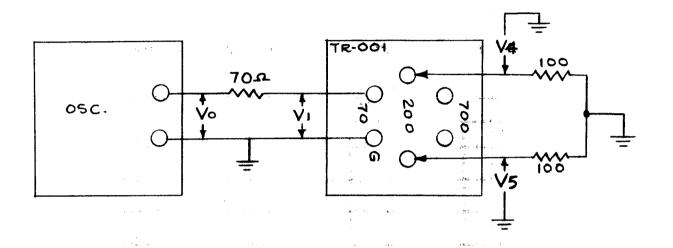


READINGS BASED ON POTTED UNIT, TOLERANCE +10%

FAREQ. MCS.	700 OHM TERMINATION					
	YO	.V1	, V 2	, V3		
2.0	1.0	.47	.69	. 69		
8.0	1.0	.47	.68	.68		
32.0	1.0	. 47	.71	71		

DATE 9/16/52 SHEET 3 OF 3		TMC SPECIFICATION NO. S-133		
COMPILED	CHECKED	TITLE: PRODUCTION TEST OF TR-901 TRANSFORMER		
APPR	OVED			

200 OHM TERMINATION TEST



READINGS BASED ON POTTED UNIT, TOLERANCE +10%

FREQ. MCS.	200 OHM TERMINATION					
	70	V1	V4	▼ 5		
2.0	1.0	47	.34	.34		
8.0	1.0	.47	.34	.34		
32.0	1.0	.48	. •37	.37		

REVI	SION	SHEET	r	THE TECHNICAL MATERIEL CORP. MAMARONECK NEW YORK	S-133		
MODEL	T	R-001		PROJECT NO.			
DATE	REV.	PAGE	EMN#	DESCRIPTION		снк.	APP.
10/17/6	2 A	1	7504	On Schematic, Chg. V3 from 700 Ohms to	550 Ohms(2)		
				On V5, Chg. Ohms from 200 Ohms to 100			
				On V4, Add 100 Ohms			
				On Termination Chart:			
				On 700 Ohm, Chg. V1 from; .45, .50, .53	to .47, .47,	49	1/
				On 700 Ohm, Chg. V2 from; .60, .70, .74	to .65, .69,	70 7	-16
			<u>.</u>	On 700 Ohm, Chg. V3 from; .60, .70, .83		71	
				On 200 Ohm, Chg. V1 from: .45, .50, .55	to .48, .47,	51	
				On 200 Ohm, Chg. V4 from; .35, .39, .45		1 }	
				On 200 Ohm, Chg. V5 from: .34, .40, .48	to .38, .37,	38	
				Add note: Readings based on potted unit		1 1	
				Completely Retyped		IJ	
6/4/64	В	2,3	11486	Revised shts. 2,3 per EMN			Sobil
4/14/70	С	2,3	19761	Updated charts as per EMN			K
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TMC FORM 184-A - OGILVIE PRESS, INC. NO 439M TYPEMASTER

REV: COMPILED): 	TMC S	PECIFICA KED:	ATION APPD:		NO. S 133 SHEET OF	
		THE TI		TERIEL CORPOR K, NEW YORK	ATION		
			TEST DA	TA TR-001			
			RF VOLTS	(ACTUAL)]
		F MHz	VO	Vl	V4	V5	
		2	1.0	•	•	•	
700	ОНМ	8	1.0	•	•	•	
		32	1.0	•	•	•	
		F MHz	VO	Vl	V2	V3	
		2	1.0	•	•	•	
200	ОНМ	8	1.0	•	• -	•	
		32	1.0	•		•	
				M	FG. NO:		
		TESTER: _					

2M 9-63-AINS.