

A0119

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
Ø	ORIGINAL RELEASE FOR PROD	10/5/66	Ø			<i>[Signature]</i>

**SPECIFICATIONS**

FREQUENCY: 2 MHZ  
 FREQUENCY STABILITY:  $1 \times 10^{-6}$  PER DAY OVER THE TEMPERATURE RANGE OF 0 TO 55°C  
 OPERABLE TEMP. RANGE: -10 TO +55°C  
 OUTPUT VOLTAGE: 1 VRMS ±10%  
 WAVEFORM: SINEWAVE, 10% MAX. DISTORTION  
 LOAD IMPEDANCE: 25 OHMS RESISTIVE  
 OSCILLATOR POWER: +24 ±10% VDC @50 MA MAX  
 OVEN POWER: 115 V ±10% 50/60 CPS ±5% THERMOSTATICALLY CONTROLLED  
 VOLTAGE CONTROL OF FREQUENCY:  
 (Potentiometer at half-rotation point)

CONTROL VOLTS		FREQUENCY
0v		2,000,000 Hz
-1v		1,999,000 Hz ±100 Hz
+1v		2,001,000 Hz ±100 Hz

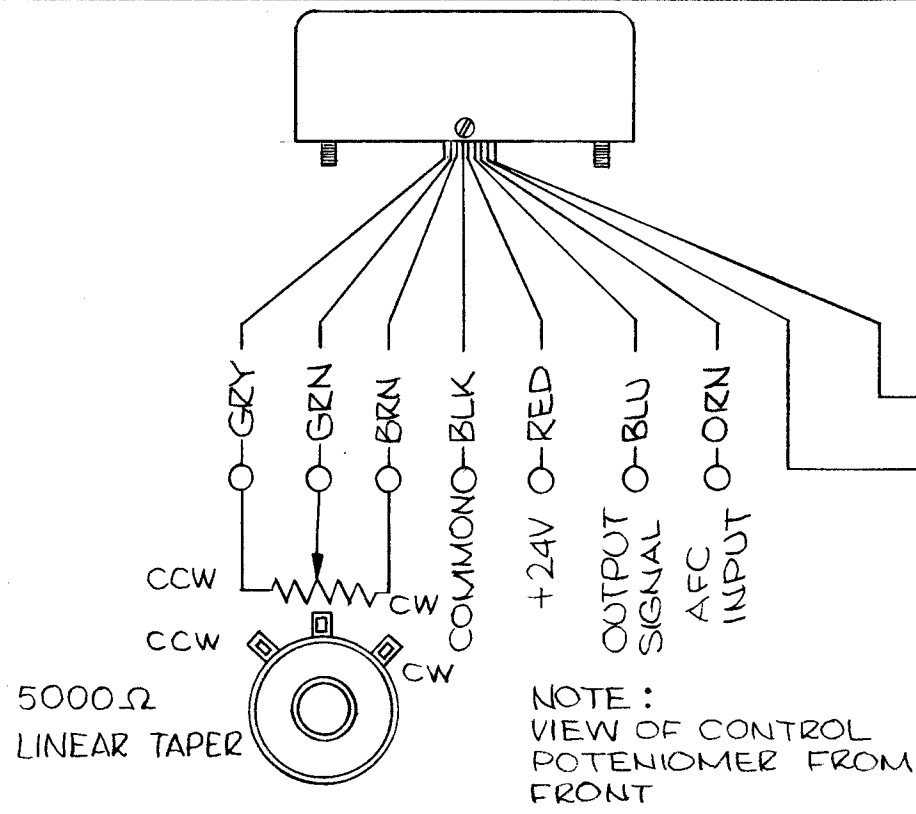
INPUT IMPEDANCE: INPUT IMPEDANCE TO THE VOLTAGE CONTROL LINE MUST BE 1 MEGOHM OR GREATER

OSCILLATOR FINISH: TMC GREY S115

MECHANICAL CONTROL OF FREQUENCY:  
 (Control voltage at zero)  
 POTENTIOMETER SHAFT ROTATION IN DEGREES (FROM CENTER)

	FREQUENCY
0°	2,000,000 Hz
-90°	1,997,000 Hz +500 Hz -300 Hz
+90°	2,003,000 Hz -500 Hz -300 Hz

SUPPLY VOLTAGE: +24VDC  
 CURRENT DRAIN: 40MADC



WHITE - O 115VAC 50/60 ~  
 WHITE - O 115VAC 50/60 ~

NOTE:  
 VIEW OF CONTROL POTENIOMER FROM FRONT

**NOTES**

AFC-14	
Q'TY./UNIT	MODEL USED ON
SCALE	ASS'Y. NO.
CODE	S401-251

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REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
POSE LIST OF MATERIAL				
MATERIAL			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINISH			TITLE OSC. OVEN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN	DATE	FINAL APPROVAL
DECIMALS		DATE	DATE	DATE
FRACTIONS		DATE	DATE	DATE
TOLERANCES		DATE	DATE	DATE
.X ± .05		A0119		
.XX ± .01		SHEET		
.XXX ± .005		REV. LTR.		