

AO 118

REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD APPD
X	EXPERIMENTAL RELEASE	7/13/66	X	Jc	
XI	PICTORIAL & HOOK-UP ADDED	7-29-66	M	Jc	
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-2-66	M	Jc	

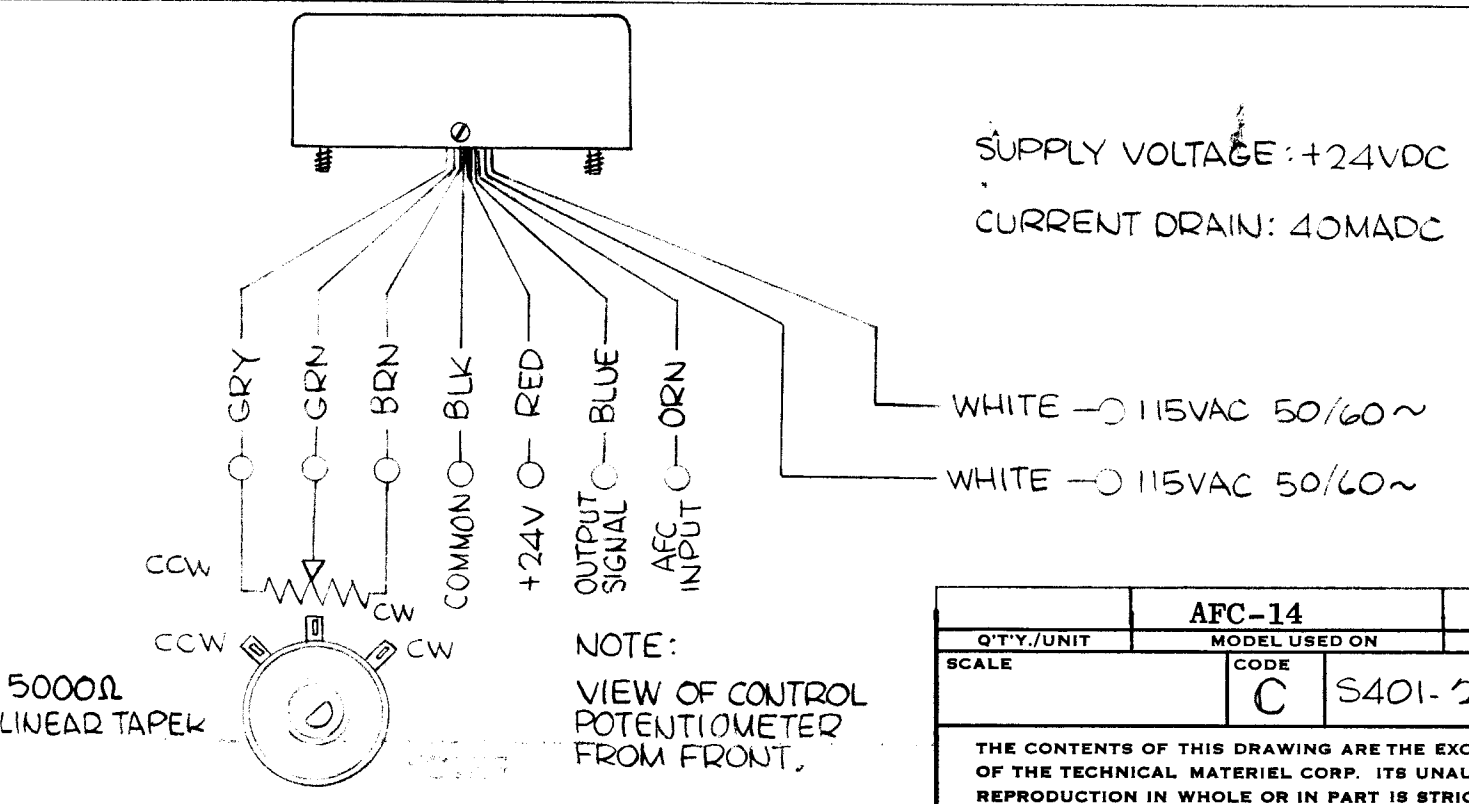
**SPECIFICATION**

FREQUENCY: 705 KCS  
 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  
 OSCILLATOR SIZE: 4 x 4" MAX HEIGHT 2" MAX  
 VOLTAGE CONTROL OF FREQUENCY:  
 (Potentiometer at half-rotation point)

CONTROL VOLTS	FREQUENCY
0v	705,000 CPS
-1v	704,000 CPS ±100 CPS
+1v	706,000 CPS ±100 CPS

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)

DEGREES	FREQUENCY
0°	705,000 CPS
-90°	702,000 CPS +500 CPS -300 CPS
+90°	708,000 CPS -500 CPS -300 CPS



AFC-14		
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	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 OSCILLATOR, OVEN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN	DATE	FINAL APPROVAL
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		CHECKED	DATE	DATE
FRACTIONS ± 1/64 ANGLES ± 0° 30'		ELECT. DES.	DATE	DATE
TOLERANCES		MECH. DES.	DATE	DATE
			SHEET	REV. LTR.