

AO 117

REVISIONS

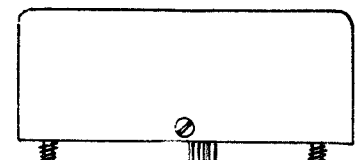
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE	7/13/66	X	Jc		
VI	PICTORIAL & HOOK-UP ADDED	7-29-66	-	Jc		
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-2-66	-	Jc		

SPECIFICATION

FREQUENCY: 250 KC  
 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% MAXIMUM 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:

CONTROL VOLTS	FREQUENCY
0	250,000 CPS
+1	250,080 CPS ±5 CPS
-1	249,920 CPS ±5 CPS

INPUT IMPEDANCE: INPUT IMPEDANCE TO THE VOLTAGE CONTROL LINE MUST BE 1 MEGOHM OR GREATER.  
 OSCILLATOR FINISH: TMC GREY S115



COMMON — BLK  
 +24V — RED  
 OUTPUT SIGNAL — BLUE  
 AFC INPUT — ORN

SUPPLY VOLTAGE: +24VDC  
 CURRENT DRAW: 40MADC

WHITE — 115VAC 50/60~  
 WHITE — 115VAC 50/60~

AFC-14	
Q'TY./UNIT	MODEL USED ON
SCALE	ASSY. NO.
	CODE
	C 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
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005			CHECKED <i>JCB</i>	DATE <i>8/2/66</i>
FRACTIONS ± 1/64 ANGLES ± 0° 30'			ELECT/DES.	DATE
TOLERANCES			MECH. DES.	DATE
			FINAL APPROVAL <i>Jc</i> <i>W. H. H. H.</i> <i>8/2/66</i>	
			AO 117	
			SHEET	
			REV. LTR.	