

12 September 1967

CONVERTER, FREQUENCY SHIFT CV-1066A/UX

Cog Service: USN FSN:

Functional Class:

USA

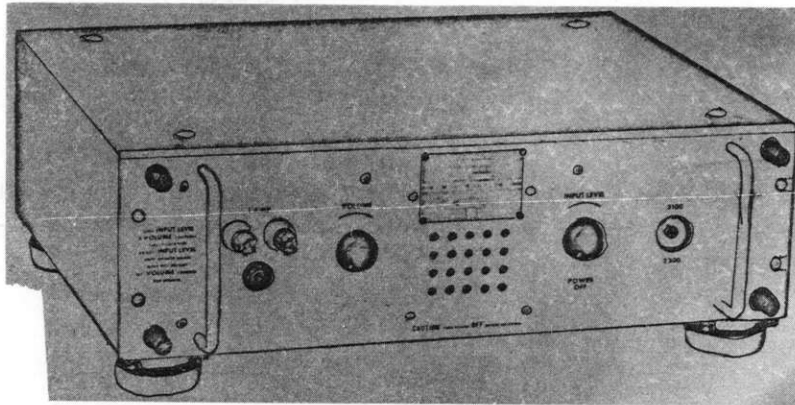
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Litton Systems Inc., Westrex Communication Division, (97983).



CONVERTER, FREQUENCY SHIFT CV-1066A/UX

**FUNCTIONAL DESCRIPTION:**

Converter, Frequency Shift CV-1066A/UX is used to convert 2300 to 3100 cps audio-frequency shift signals to amplitude-modulated signals for a facsimile recorder. The unit is employed as part of terminal equipment at the receiving end of a radio facsimile circuit of the audio frequency shift or radio frequency shift type. The signal from the radio receiver with either system is an audio-frequency-shifted signal in which 2300 cps represents maximum signal and 3100 cps represents minimum signal output from the facsimile transmitter at the sending terminal. The CV-1066A/UX converts this signal, from the radio receiver into a signal that can be used by the facsimile recorder.

No field changes in effect at time of preparation (11 January 1967).

**RELATION TO OTHER EQUIPMENT:**

The Converter, Frequency Shift CV-1066A/UX is two-way interchangeable with the CV-1066/UX

1.5 CV-1066A/UX: 1

# CONVERTER, FREQUENCY SHIFT CV-1066A/UX

except maintenance parts.

**EQUIPMENT REQUIRED BUT NOT SUPPLIED:** None.

## TECHNICAL CHARACTERISTICS:

INPUT IMPEDANCE: 500 ohms, balanced.  
INPUT FACSIMILE SIGNAL: 2300 to 3100 cps.  
INPUT SIGNAL LEVEL: 0 to 40 dbm.  
OUTPUT IMPEDANCE: 500 ohms, balanced.  
OUTPUT FACSIMILE SIGNAL: 2300 to 3100 cps (0.1 volt ac at 2300 cps).  
OUTPUT ADJUSTABLE CONTRAST: 12 to 14 db.  
POWER REQUIREMENTS: 100 to 130 volts ac, 50 to 60 cps, single ph.  
POWER CONSUMPTION: 30 watts.

## MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Converter, Frequency Shift CV-1066A/UX	6-3/4 x 16-1/2 x 19-1/8	53

## REFERENCE DATA AND LITERATURE:

NAVSHIPS 91628: Instruction Manual for Converter, Frequency Shift CV-172A/U.  
NAVSHIPS 0967-050-2012: Technical Manual for Converter, Frequency Shift CV-1066A/UX,  
Temporary Correction T-3.

## SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
1	3.5	55

## PROCUREMENT DATA

PROCURING SERVICE: USN  
SPEC &/OR DWG:

DESIGN COG: USN, NavShips

### CONTRACTOR

### LOCATION

### CONTRACT OR ORDER NO.

### APPROX. UNIT COST

Litton Systems Inc.,  
Westrex Communication  
Division  
Part No. 45G-00-00-00

New Rochelle, N.Y.

N0bsr-93420  
Nobsr-93088