CONVERTER, FREQUENCY SHIFT CV-1066A/UX

TYPE CLASS:


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

<table>
<thead>
<tr>
<th>QTY</th>
<th>ITEM</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Converter, Frequency Shift CV-1066A/UX</td>
<td>6-3/4 x 16-1/2 x 19-1/8</td>
<td>53</td>
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</table>

REFERENCE DATA AND LITERATURE:

NAVSHIPS 91628: Instruction Manual for Converter, Frequency Shift CV-172A/U.
Temporary Correction T-3.

SHIPPING DATA

<table>
<thead>
<tr>
<th>PKGS</th>
<th>VOLUME (CU FT)</th>
<th>WEIGHT (LBS)</th>
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<tbody>
<tr>
<td>1</td>
<td>3.5</td>
<td>55</td>
</tr>
</tbody>
</table>

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG:

CONTRACTOR | LOCATION | CONTRACT OR ORDER NO. | APPROX. UNIT COST |
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Litton Systems Inc., Westrex Communication Division | New Rochelle, N.Y. | NObsr-93420 | NObsr-93088 |

1.5 CV-1066A/UX: 2