FUNCTIONAL DESCRIPTION

The 0-76/U and 0-76A/U is a stable crystal oscillator designed for use as a frequency standard. The frequency can be maintained approximately constant, irrespective of moderate changes in ambient temperature, humidity, and air pressure.

The frequency may be calibrated from standard frequency transmissions of the Bureau of Standards or the time signal transmissions of the Naval Observatory.

Data on this sheet reflects the following field changes. FC1 (0-76 A/U).

RELATION TO OTHER EQUIPMENT

The 0-76/U is Western Electric Co type D-175730 Frequency Standard. The 0-76A/U is Western Electric Co type D-175730-L2 Frequency Standard.

Equipment Required but not Supplied: Coaxial Cable w/PL-295 plugs or equiv.
Test-Frequency Measuring

O-76/U, O-76A/U

RF OSCILLATOR

April 1958

TUBE AND/OR CRYSTAL COMPLEMENT

(4) 6AC7
(1) 6V6GT/G

Total Tubes: (5)
(1) 99996.7 cps

Total Crystals: (1)

REFERENCE DATA AND LITERATURE

NAVSHIPS 91124: Technical Manual for RF Oscillator 0-76/U.

NAVSHIPS 91729: Technical Manual for RF Oscillator 0-76A/U.

EQUIPMENT SUPPLIED DATA

<table>
<thead>
<tr>
<th>QUANTITY PER EQUIP</th>
<th>NAME AND NOMENCLATURE</th>
<th>OVERALL DIMENSIONS (inches)</th>
<th>WEIGHT (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RF Oscillator 0-76/U or 0-76A/U</td>
<td>10-15/16 X 17-3/16 X 19</td>
<td>90</td>
</tr>
</tbody>
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