

26 April 1965

Cog Service: USN FSN:

ANTENNA COUPLER CU-1423/U

Functional Class:

USA

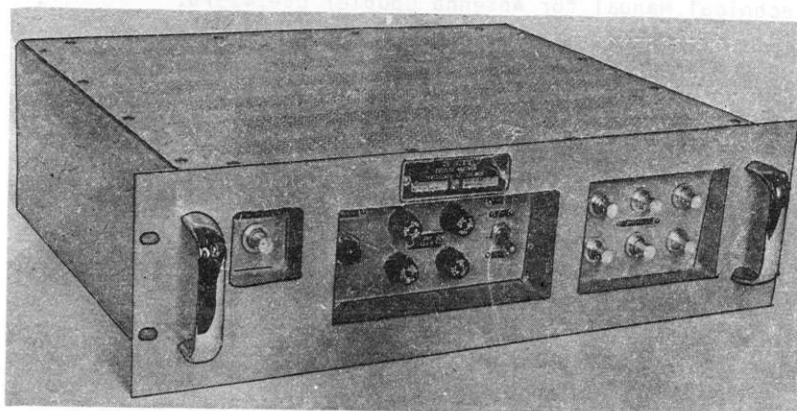
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Applied Research Inc., (70314).



ANTENNA COUPLER CU-1423/U

FUNCTIONAL DESCRIPTION:

Antenna Coupler CU-1423/U consists of a rack mounted panel which contains seven assemblies. An eight stage amplifier supplies gain, and a multicoupler supplies six outputs from the amplifier signal input. A line operated power supply furnishes tube heater and anode power. No field changes in effect at time of preparation (10 March 1965).

RELATION TO OTHER EQUIPMENT: None.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

FREQUENCY RANGE: 30 to 300 mc.

ANTENNA COUPLER CU-1423/U

NUMBER OF OUTLETS: 6.
GAIN PER OUTLET: 18 db.
VSWR

INPUT: 1.5 v.

OUTPUT: 1.75 v.

IMPEDANCE: (Input and Output) 50 ohms.

POWER REQUIREMENTS: 11 v, 60 cps, 85 W.

CONNECTORS

RF: Type BNC.

POWER SUPPLY: MS3102E-10SL-3P.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Antenna Coupler CU-1423/U		5-1/4 x 13-1/2 x 19	32-1/2

REFERENCE DATA AND LITERATURE:

NAVSHIPS 96144: Technical Manual for Antenna Coupler CU-1423/U.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (7) 5842/417A (1) 7768

CRYSTALS: Not required.

SEMI-CONDUCTORS: (1) A100 (4) A300 (1) RS-6 (1) 1N751 (1) 2N1073B (3) 2N1374

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
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PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG:

DESIGN COG: USN, BuShips

CONTRACTOR

LOCATION

CONTRACT OR
ORDER NO.

APPROX.
UNIT COST

Applied Research Inc.

Port Washington, New York