



ANTENNA ASSEMBLY, TYPE-66093  
FEDERAL STOCK NO. F5985-243-8418

TYPICAL USES.

Antenna Assembly Type-66093 is used as a sense antenna with the DAK series radio direction finding equipment.

ANTENNA SPECIFICATIONS.

Antenna Assembly Type-66093 is a 25-foot vertical whip antenna. The whip consists of three stainless steel sections mounted on a cast aluminum base. An insulator supports the whip 3-foot from the base. In the base of the sense antenna a "dummy loop", consisting of an electrostatically shielded RF transformer and condenser, reflects the electrical constants of the loop antenna to the transmission line.

Total Weight ..... 43 lb

Frequency Range ..... 250-1500 kc

INSTALLATION DATA.

Transmission Line ..... RG-24/U

The transmission lines from the sense antenna and loop antenna are accurately balanced to equal electrical lengths. The proper performance of the system depends upon the maintenance of this electrical balance.

The sense antenna should not be mounted in a line (fore and aft) with the crossed-loop.

REFERENCES.

NavShips 900, 277-IB