

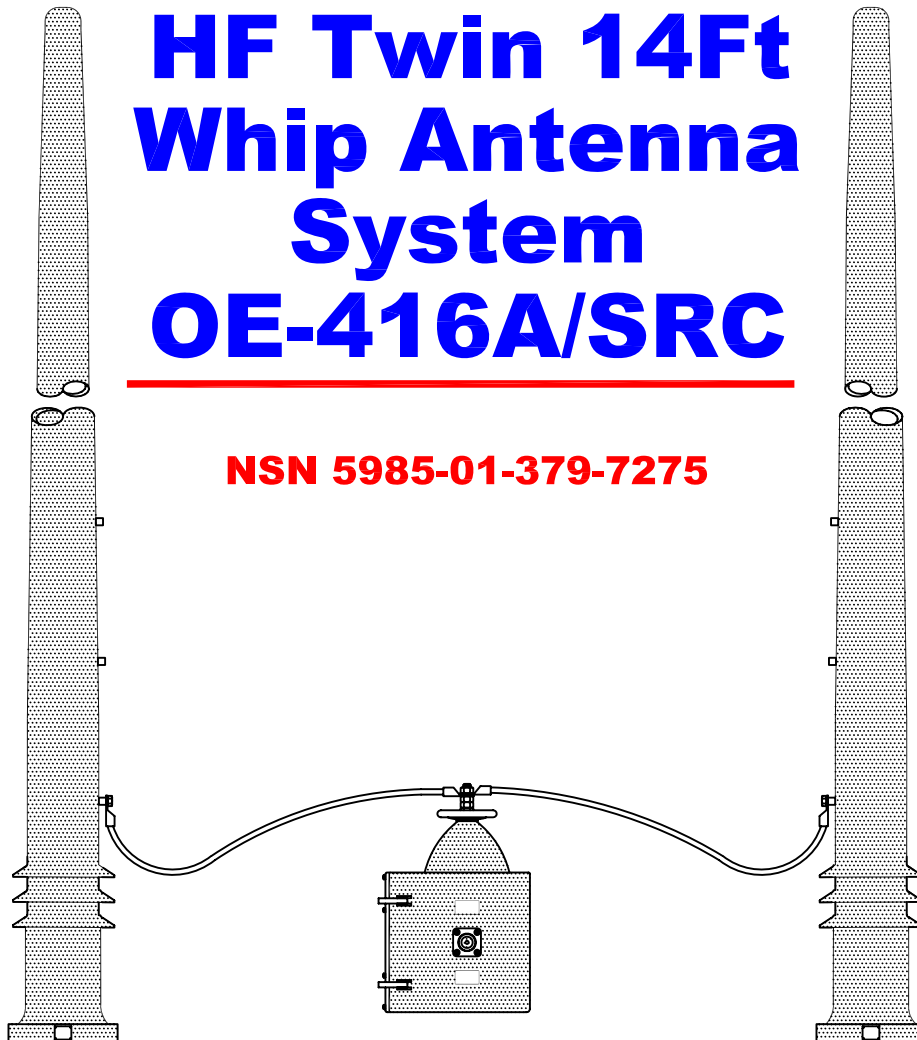
World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR HIGH FREQUENCY

**HF Twin 14Ft
Whip Antenna
System
OE-416A/SRC**

NSN 5985-01-379-7275



FEATURES:

- **POWER HANDLING TO 10KW**
- **MINIMUM MAINTENANCE**
- **MEETS MIL-A-29520(EC)**
- **HIGH RELIABILITY**
- **SHIPBOARD APPLICATIONS**
- **BROADBAND**
- **WEATHERPROOF**

OE-416A/SRC

THE OE-416A/SRC ANTENNA GROUP IS A TWIN-WHIP ANTENNA SYSTEM WHICH PROVIDES BROADBAND COVERAGE IN THE 4-30 MHz FREQUENCY RANGE FOR HF SHIPBOARD RECEIVING SYSTEMS.

THE ANTENNA SYSTEM CONSISTS OF TWO 14 FOOT SPUN ALUMINUM ANTENNAS, A COAXIAL CABLE TERMINATION BOX AND AN INTERCONNECTING WIRE-ROPE MECHANISM.

THE SYSTEM IS INTENDED FOR USE ON AN OA-9242(V)4/SR TILT MECHANISM.

THE ANTENNAS USED IN THE SYSTEM ARE SELF SUPPORTING TAPERED ALUMINUM TUBES WITH A FIBREGLASS INSULATOR AND MOUNTING BASE.

THE TERMINATION BOX J-3152B/SRC CONTAINS A BOWL INSULATOR, A COAXIAL TYPE LC INPUT CONNECTOR FOR INTERCONNECTION TO ASSOCIATED RECEIVING EQUIPMENT AND A FIXED STATIC-CHARGED RESISTOR. EMP PROTECTION IS ALSO PROVIDED.

THE SYSTEM HAS BEEN QUALIFIED TO MIL-S-901C FOR SHOCK, MIL-STD-167 FOR TYPE 1 VIBRATION AND ALL THE SERVICE CONDITIONS OF MIL-E-16400.

QUICK REFERENCE DATA

ELECTRICAL CHARACTERISTICS

FREQUENCY	4-30 MHz
IMPEDANCE	50 OHMS
INPUT CONNECTOR	TYPE LC RECEPTACLE (OR CUSTOMER ORDER)
OUTPUT	BOWL INSULATOR WITH 1/2-13 UNC-2A THREADED ROD
STATIC DISCHARGE RESISTOR	470K OHMS; 2 WATTS

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	AS-3771B/U - 168 IN \pm1 IN (427 CM \pm2.5 CM)
ANTENNA WEIGHT	AS-3771B/U - 125 LBS EA (56.7 KG)
TERMINATION BOX	10 IN (25.4 CM) LONG 15 IN (38.1 CM) HIGH 10 IN (25.4 CM) WIDE 10 LBS (4.5 KG)
MOUNTING (EACH ANTENNA)	AS-3771B/U - BASE FLANGE WITH 8 HOLES, .690 IN (1.75 CM) DIAMETER EQUALLY SPACED ON A 10.750 IN (27.30 CM) DIA BOLT CIRCLE
MOUNTING (TERMINATION BOX)	4 HOLES .435 IN (1.1 CM) DIAMETER
MOUNTING (SYSTEM CONFIGURATION)	ON TILT MECHANISM OA-9242(V)4/SR - 66 IN (167.6 CM) APART WITH TERMINATION BOX IN THE CENTRE.

