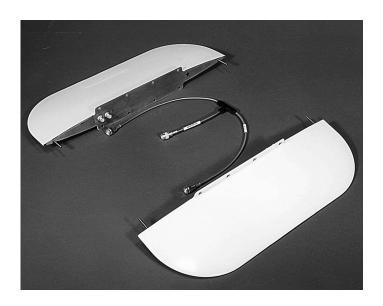
NAVIGATION



DM N4-45 VOR/LOC ANTENNA

The DM N4-45 continues the DM N4-15 tradition to provide superior VOR/ILS systems performance for high-performance aircraft where aerodynamic drag and weight must be held to a minimum.

The DM N4-45 has been designed from the ground up to incorporate latest developments in structural materials, but retaining the electrical performance so many have come to expect from a balanced loop VOR/LOC antenna.

The complete DM N4-45 fit and function have not changed the form from that of the DM N4-15. While identical in all outward appearances, it incorporates a new integrated radiating boot material design for today's environment and to reduce costs.

SPECIFICATIONS

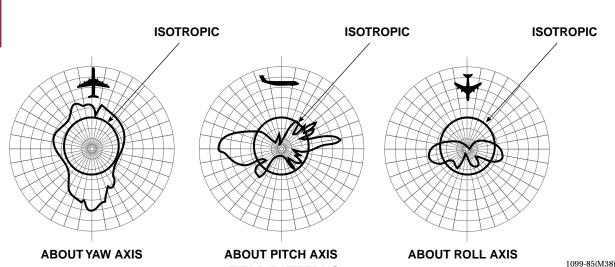
ELECTRICAL

Frequency Range	108 - 118 MHz
VSWR	5.0:1
Polarization	Horizontal
Impedance	50 Ohms
Connectors	TNC Female
Radiation Pattern	Omnidirectional

MECHANICAL

Weight

5.5 lbs (2.46 kg)



FIELD PATTERNS



ANTENNA TECHNOLOGIES

NAVIGATION

DM N4-45 VOR/LOC ANTENNA DRAG (lbs) COMPLETE ANTENNA **OUTLINE DIMENSIONS** Inches (Centimeters) AT SEA FIGURE 1 LEVEL 20.8 (52.83)AT 40,000 FT TNC MALE (6 PL) TYP FOR CABLES 0.0 0.2 0.8 0.4 0.6 MACH NUMBER 10 - 32 UNF THDD 30"TYP STUD (2 PL) **CALCULATED DRAG vs SPEED** 0.97 (2.463) REF 0.12 **General Notes** (0.305)Antenna half loops must be mounted as shown, i.e., connector(s) of one forward, connector(s) of other aft. 2. The DM N4-45 consists of two radiating elements (P/N DM N4-45-3) and two 6.7 cable harness assemblies (17.018) (P/N DM N4-45-5). The cable harnesses are essential parts of the antenna matching circuit. 3. The radiating elements of the DM N4-15 and the DM N4-45 are not interchangeable 0.218 (0.5537) DIA CSK (a DM N4-15-3/() cannot be used with a 9.000 0.390 (0.9906) DIA 100° FAR SIDE (8 PL) REF DM N4-45-3). DM N4-15-5 or DM N4-15-11 (22.860)cables are used with the DM N4-45 antenna. 6.000 (15.240) 3.000 | 0.968 (3.175)9.50 (2.4587)(7.620)(24.130) TYP 1.936 2.5 0 (6.35)(4.9174)0.78 (1.981) TYP 4.62 NO. 10 - 32**TNC** (11.735) TYP STUD (REF) **FEMALE** 5.00 2 PLACES (12.70)10.0 (25.40)19.0 (48.26)FIGURE 2



