

DP 4/...

Centre-Fed Folded Dipole for the 80 MHz Band

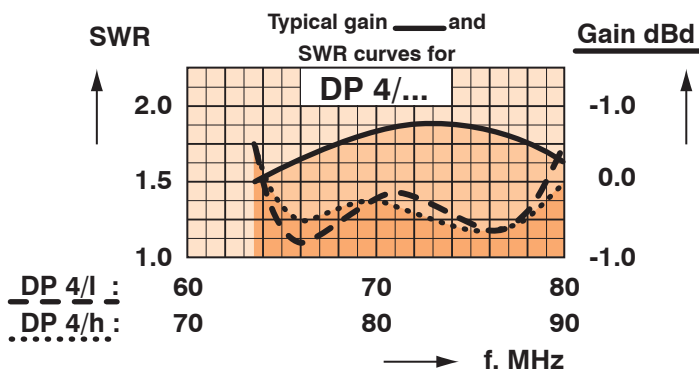
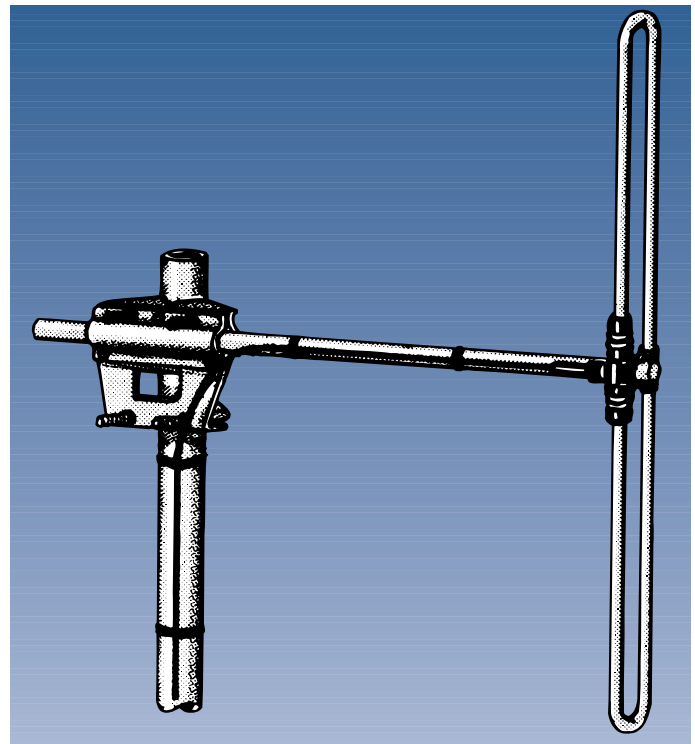


DESCRIPTION:

- ★ Single, 0 dBd folded dipole incorporating a balun optimized for wide bandwidth and accurate matching.
- ★ The entire balun unit and feeder terminations are completely sealed in a polythene moulding ensuring permanent waterproof connections.
- ★ The dipole element, the supporting boom and the adjoining metal castings have been constructed in high quality aluminium alloys to prevent corrosion. All metal parts are DC-grounded.
- ★ These antennas may be arranged in a variety of ways to produce higher gain, directional lobes or interference cancellation, and suitable matching harnesses are available.
- ★ The antenna is supplied complete with clamp for mounting on 30-58 mm diameter mast tubes.

SPECIFICATIONS:

ELECTRICAL	
MODEL	DP 4/...
ANTENNA TYPE	Folded dipole
FREQUENCY	DP 4/l : 66-77 MHz DP 4/h : 75-88 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical or horizontal
GAIN	2 dBi 0 dBd
BANDWIDTH	11-13 MHz
SWR	≤ 1.5
MAX. POWER	150 watt
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTION	3 m tail of RG 213 terminated with type N-female connector
WIND SURFACE	0.12 m ²
WIND LOAD	129 N (at 150 km/h)
COLOUR	"Aluminium"
MATERIALS	Aluminium and environment-proof plastics
DIMENSIONS	Dipole element dia: 19 mm Boom dia. : 31.8 mm Boom length : Approx. 1.4 m Element length : Approx. 1.8 m
WEIGHT	Approx. 4.0 kg
MOUNTING	On 30-58 mm dia. mast tube



ORDERING DESIGNATIONS

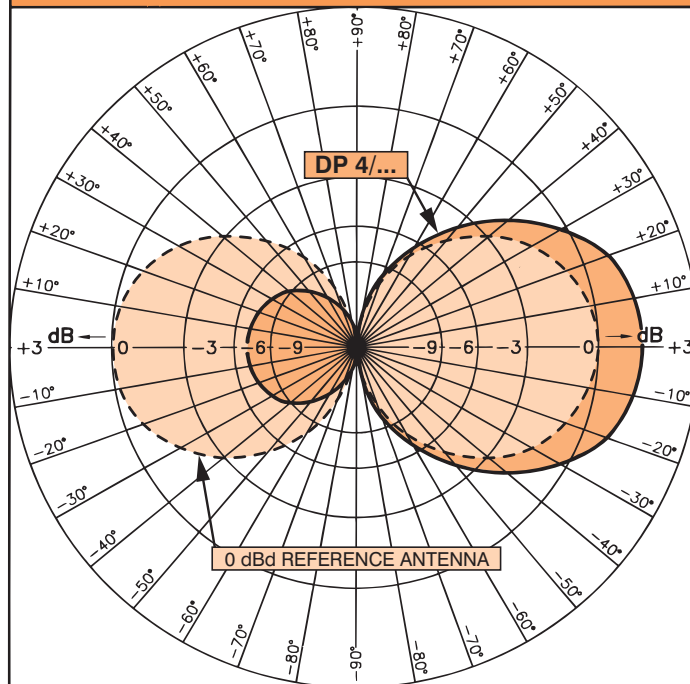
TYPE NO.	FREQUENCY
DP 4/l	66-77 MHz
DP 4/h	75-88 MHz

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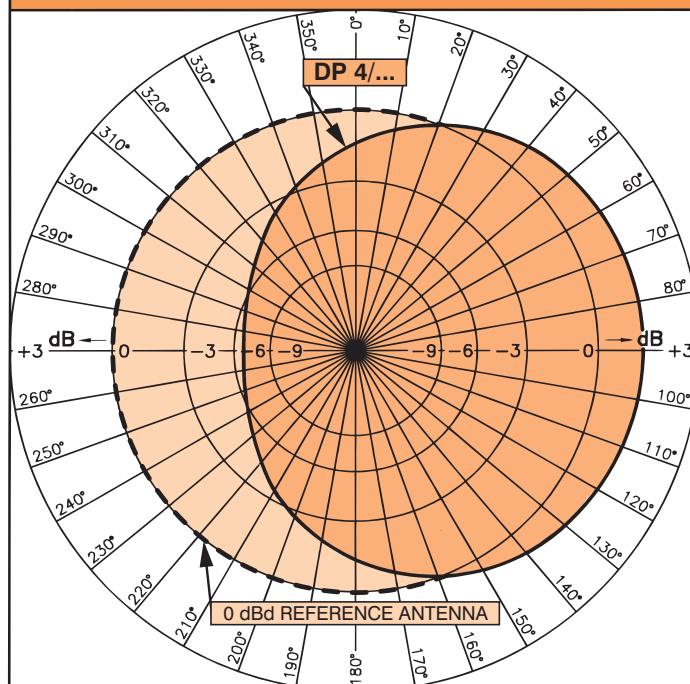


TYPICAL RADIATION PATTERN (E-PLANE)



If the antenna is mounted for vertical polarisation, this curve shows the radiation pattern in the vertical plane.

TYPICAL RADIATION PATTERN (H-PLANE)



If the antenna is mounted for vertical polarisation, this curve shows the radiation pattern in the horizontal plane (horizontal coverage). The asymmetry is caused by the presence of the mast.