

The 470 Series of glassfibre dipoles are designed for wide band, particularly military and ground-to-air applications. The antennas are well suited to the most demanding applications both physically and environmentally, and have been engineered for optimal performance over a bandwidth greater than 50% of their centre frequency. They have been designed with an integral mounting bracket, cast in aluminium, which enables the 470 to be fitted directly on a vertical pole of 50mm diameter. The aluminium centre fed dipole is fed via PTFE coaxial cable and offers a stable radiation pattern over a wide operating band. The antenna is available in a variety of two part lacquer finishes, including IRR military green. (can be customer specified to appropriate colour code ref.)

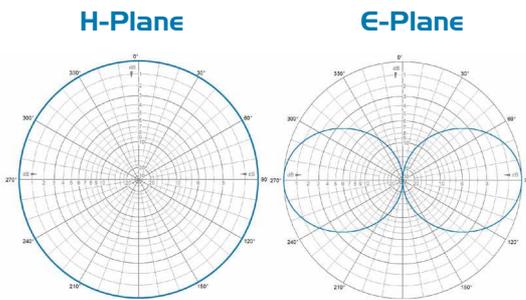
NATO Stock Number (NSN) 5985-25-132-3733 for model 470.02.05.00 (225-400MHz) IRR Military Green

Electrical & mechanical specifications



Frequency range	225 - 400 MHz
Input impedance	50Ω
VSWR	<1.8:1
H Plane ripple	< ±1dB
Maximum input power	1kW
Polarisation	Vertical
Antenna gain	0 dBd
3dB Beamwidth	E Plane 80°
Connection	'N' type socket
Dipole	120mm dia. aluminium rolled tube
Dipole feed	PTFE dielectric coaxial cable
Shroud	Parallel white / military green glassfibre tube 128mm
Lightning protection	Direct grounded
Mounting bracket	Integral sandcast aluminium alloy grade LM6 to suit 50mm dia. support pole
Mast fixings	Stainless steel M10 bolts grade A2-70
Weight	4 kg
Length	1.1 m
Typical Wind loading @ 45m/s	184 N

Free space radiation patterns



Mounting accessories



2140/2141 Series
Galvanised steel parallel clamp up to 60/120mm

UA66-22
Cast aluminium cross / parallel clamp 25-50mm

AT5
Aluminium Tube
1 29/32" x 7g

Standard stock models

Stock code	Frequency
470.01.05.00	108-175MHz
470.31.05.00	108-175MHz
470.02.05.00	225-400MHz
470.32.05.00	225-400MHz
470.05.05.00	100-400MHz
470.04.33.00	208-235MHz
470.34.33.00	208-235MHz



This product is RoHS compliant