

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.)

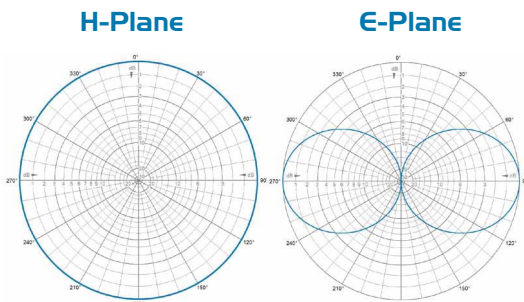
NATO Stock Number (NSN) 5985-25-132-3733 for model 470.02.05.00 (225-400MHz) IRR Military Green

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	
Dipole	'N' type socket
Dipole feed	120mm dia. aluminium rolled tube
Shroud	PTFE dielectric coaxial cable
Lightning protection	Parallel white / military green glassfibre tube 128mm
Mounting bracket	Direct grounded
Mast fixings	Integral sandcast aluminium alloy grade LM6 to suit 50mm dia. support pole
Weight	Stainless steel M10 bolts grade A2-70
Length	4 kg
Typical Wind loading @ 45m/s	1.1 m
	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