

B13 and B13SS

VHF 70-118MHz

Mast mount coaxial dipole

The B13 and B13SS omnidirectional coaxial dipoles are effective and economical VHF fixed position antennas.

At the lowest frequency 70MHz the coaxial dipole will stand 3 metres tall. At higher frequencies the radome height will reduce.

Mounting hardware, coaxial feeder cable, surge protection and other installation accessories are all available separately.

Specifications	B13	B13SS
Construction	White fibreglass radome, aluminium or stainless steel mount section and tri-metal plated termination	
Frequency range	VHF 70-118MHz	
Maximum bandwidth	Specify any 3% when ordering	
VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	
Gain	0dBd	
Maximum power	100 Watts	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omni-directional, ± 0.5dBd	
E Plane	60°	
Connector	N-type female in base of mount section - no cable	
Weight	1.0kg	1.6kg
Projected area	0.05m ²	
Wind load at 160kph	6.0kg, 0.08kN	
Mount section	32mm x 500mm Alum.	32mm x 500mm S/S
Mounting hardware (order separate)	Mast mounting: 2 x EB1-SS or 1 x UB3-SS Side/wall mounting: 2 x NSM-CL3642	
Mounting position (recommended)	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps. At 70MHz, 2 metre distance from vertical structure	



N-type female in base of mount section

Sample Radiation pattern at 95MHz

