

VHF stack dipole arrays

VHF 148-174MHz

2-stack or 4-stack

These 2 stack and 4 stack dipole arrays cover the full VHF frequency range 148 to 174MHz.

There are various methods of mounting these dipole stack arrays to a mast or tower. Please consult ZCG for advice about the best solution for your mounting arrangement.

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

Specifications	S2B43-1C	S4B43-1C
Construction	Aluminium, add SS for stainless steel	
Dipoles in array	2	4
Frequency	VHF 148-174MHz	
Bandwidth	Full band	Full band
Return loss, VSWR	<1.5:1 across full band	
Tuning	Factory	Factory
Gain	4.5 dBd	7 dBd
Maximum power	250 Watts	250 Watts
Impedance - nominal	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Vertical	Vertical
H Plane	240°	240°
E Plane	33°	16°
Connector	N-type female in base of mount section	
Mount tube	3.3m x 50mm	5.6m x 50mm
Weight	9Kg in aluminium 15Kg in stainless steel	16Kg in aluminium 28Kg in stainless steel
Projected area	0.200m ²	0.362m ²
Wind load at 160kph	24Kg, 0.239kN	44Kg, 0.429kN
Mounting hardware (order separate)	2 x UAM180L (top & bottom) or consult ZCG for advice	3 x UAM180L (top, middle and bottom) or consult ZCG for advice

