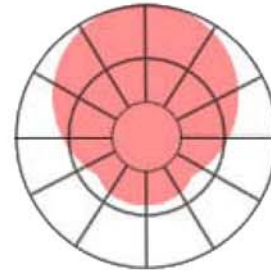
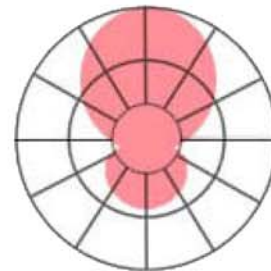


MECHANICAL SPECIFICATION		
Connection	3m Length RG213/U Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS1474	
Elements	12.7mm x 1.6mm Wall	
Support Boom	31.7mm x 2.6mm Wall	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Saddle Clamp	Diecast Zinc Alloy	
Insulator	Epoxy Resin Encapsulant	
Mounting Clamp	Crossover Clamp (not included)	
Protection	Direct Grounded	
Weight	80 MHz	3.2 kg
	160 MHz	2.2 kg
	450 MHz	1.8 kg
Length	80 MHz	1.6 m
	160 MHz	0.9 m
	450 MHz	0.6 m
Wind Loading @ 45 m/s	80 MHz	171 N
	160 MHz	96 N
	450 MHz	54 N



H PLANE

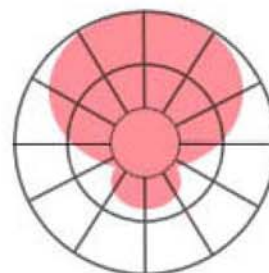


E PLANE

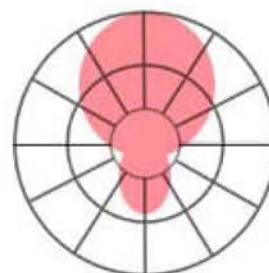
ELECTRICAL SPECIFICATION			
Type Number	VHF Low 2010	VHF High 2011	UHF 2012
Frequency Range	68 - 470 MHz		
Impedance	50 Ohms		
Band Width	12%		
VSWR	<1.5:1		
Maximum Power	150W		
Polarisation	Horizontal or Vertical		
Gain	3 dB		
Front To BackRatio	13 dB		
H Plane Beamwidth	144°		
E Plane Beamwidth	74°		



MECHANICAL SPECIFICATION		
Connection	3m. length RG213/U Coaxial Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS 1474	
Elements	12.7mm X 1.6mm Wall	
Support Boom	31.7mm X 2.6mm Wall	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Saddle Clamp	Diecast Zinc Alloy	
Insulator	Epoxy Resin Encapsulant	
Mounting Clamp	Crossover Clamp (not included)	
Protection	Direct Grounded	
Weight	80 MHz	3.8 kg
	160 MHz	2.6 kg
	450 MHz	2.0 kg
Boom Length	80 MHz	2.2 m
	160 MHz	1.2 m
	450 MHz	0.7 m
Wind Loading @ 45 m/s	80 MHz	227N
	160 MHz	124N
	450 MHz	64N



H PLANE



E PLANE

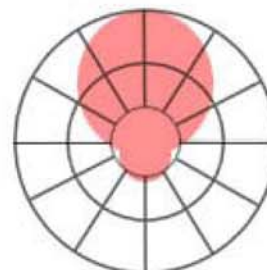
ELECTRICAL SPECIFICATION	
Frequency Range	68 - 470 MHz
Impedance	50 Ohms
Bandwidth	12%
VSWR	<1.5:1
Maximum Power	150W
Polarisation	Horizontal or Vertical
Typical Gain	5.5 dBd
Front To Back Ratio	15 dB
H Plane Beamwidth	84°
E Plane Beamwidth	62°



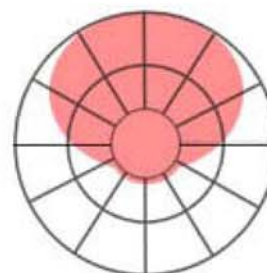
ORDERING INFORMATION	
Frequency	Type
Customer Specified	2015
68-78 MHz	2017
78-88 MHz	2019
136-156 MHz	2020
156-174 MHz	2023
176-192 MHz	2021
192-208 MHz	2022
380-420 MHz TETRA	2024
420-470 MHz	2025



MECHANICAL SPECIFICATION		
Connection	3m Length RG213/U Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS1474	
Elements	12.7mm x 1.6mm Wall	
Support Boom	31.7mm x 2.6mm Wall	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Saddle Clamp	Diecast Zinc Alloy	
Insulator	Epoxy Resin Encapsulant	
Mounting Clamp	Crossover Clamp (not included)	
Protection	Direct Grounded	
Weight	80 MHz	5.2 kg
	160 MHz	3.4 kg
	450 MHz	2.4 kg
Length	80 MHz	3.5 m
	160 MHz	1.9 m
	450 MHz	1.0 m
Wind Loading @ 45 m/s	80 MHz	312 N
	160 MHz	168 N
	450 MHz	82 N



E PLANE

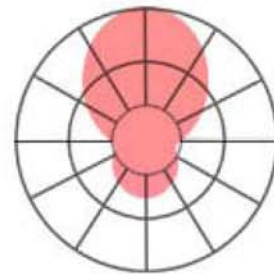


H PLANE

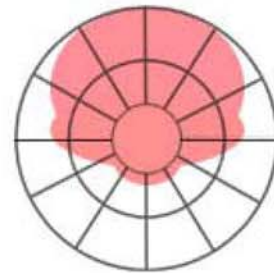
ELECTrICAL SPECIFICATION			
Type Number	VHF Low 2030	VHF High 2032	UHF 2034
Frequency Range	68 - 470 MHz		
Impedance	50 Ohms		
Band Width	11%		
VSWR	<1.5:1		
Maximum Power	150W		
Polarisation	Horizontal or Vertical		
Gain	7.5 dB		
Front To BackRatio	15 dB		
H Plane Beamwidth	74°		
E Plane Beamwidth	57°		



MECHANICAL SPECIFICATION		
Connection	3m Length RG213/U Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS1474	
Elements	12.7mm x 1.6mm Wall	
Support Boom	31.7mm x 2.6mm Wall	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Saddle Clamp	Diecast Zinc Alloy	
Insulator	Epoxy Resin Encapsulant	
Mounting Clamp	Crossover Clamp (not included)	
Protection	Direct Grounded	
Weight	160 MHz	4.4 kg
	450 MHz	2.9 kg
Length	160 MHz	2.8 m
	450 MHz	1.3 m
Wind Loading @ 45 m/s	160 MHz	237 N
	450 MHz	106 N



E PLANE



H PLANE

ELECTrICAL SPECIFICATION	
Type Number	VHF Low 2036
	VHF High 2038
	UHF 2040
Frequency Range	88 - 470 MHz
Impedance	50 Ohms
Band Width	10%
VSWR	<1.5:1
Maximum Power	150W
Polarisation	Horizontal or Vertical
Gain	8.5 dB
Front To BackRatio	16 dB
H Plane Beamwidth	63°
E Plane Beamwidth	50°



MECHANICAL SPECIFICATION		
Connection	RG213/U Coaxial Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS 1474	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Saddle Clamp	Diecast Zinc Alloy	
Protection	Direct Grounded	
Insulator	Epoxy Resin Encapsulant	
Elements	12.7mm X 1.6mm Wall	
Support Boom	31.7mm X 2.6mm Wall	
Down Lead	3 m	
Mounting Clamp	Crossover Clamp (not included)	
Weight	160 MHz	5.6 kg
	450 MHz	3.5 kg
Boom Length	160 MHz	3.8 m
	450 MHz	1.6 m
Wind Loading @ 45 m/s	160 MHz	309N
	450 MHz	128N



H PLANE



E PLANE



ELECTRICAL SPECIFICATION	
Frequency Range	155 - 470 MHz
Impedance	50 Ohms
Bandwidth	10%
Polarisation	Horizontal or Vertical
Typical Gain	10 dBd
Front To Back Ratio	18 dB
H Plane Beam width	50°
E Plane Beam width	43°
Professional	
VSWR	<1.5:1
Maximum Power	150W



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ORDERING INFORMATION	
<i>Frequency</i>	<i>Type</i>
Customer Specified	2042
380-420 MHz TETRA	2043
420-470 MHz	2044



Professional 12 Element

MECHANICAL SPECIFICATION	
Connection	3m Length RG213/U Cable c/w 'N' socket
Construction	Aluminium Alloy Tube 6063T6 to BS1474
Elements	12.7mm x 1.6mm Wall
Support Boom	31.7mm x 2.6mm Wall
Fasteners	Stainless Steel Grade A2-70 to BS6105
Saddle Clamp	Diecast Zinc Alloy
Insulator	Epoxy Resin Encapsulant
Mounting Clamp	Crossover Clamp (not included)
Protection	Direct Grounded
Weight	4.4 kg
Length	2.3 m
Wind Loading @ 45 m/s	180 N

ELECTRICAL SPECIFICATION	
Type Number	2046
Frequency Range	380 - 470 MHz
Impedance	50 Ohms
Band Width	8%
VSWR	<1.5:1
Maximum Power	50W
Polarisation	Horizontal and Vertical
Gain	12 dB
Front To BackRatio	20 dB
H Plane Beamwidth	40°
E Plane Beamwidth	34°



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MECHANICAL SPECIFICATION		
Connection	RG213/U Coaxial Cable c/w 'N' socket	
Construction	Aluminium Alloy Tube 6063T6 to BS 1474	
Elements	12.7mm X 1.6mm Wall	
Support Boom	38.1mm X 3.2mm Wall	
Fasteners	Stainless Steel Grade A2-70 to BS6105	
Mounting Clamp	Diecast Aluminium Alloy LM6	
Saddle Clamp	Diecast Zinc Alloy	
Insulator	Epoxy Resin Encapsulant	
Protection	Direct Grounded	
	4 Stack	8 Stack
Weight	5kg	10 kg
Length	2.5m	5m
Down Lead	3 m	5m
Wind Loading @ 45 m/s	183N	365N



UHF Stacked dipole arrays

ELECTRICAL SPECIFICATION		
Frequency Range	420 - 470 MHz	
VSWR	<1.5:1	
Maximum Power	250W	
Polarisation	Vertical	
Radiation	Omni & Offset	
Electrical Downtilt	Specify<14°	
Offset Beamwidth	180°	
	4 Stack	8 Stack
Omni Gain	5.5 dBd	8.5 dBd
Offset Gain	8.5 dBd	11.5 dBd
E Plane Beamwidth	21°	11°



ORDERING INFORMATION		
Frequency	UHF 4 Stack Array	UHF 8 Stack Array
420-440 MHz	2080	2085
440-470 MHz	2081	2086