



Exposed Dipole Arrays





About RFI Technology Solutions

RFI is a global technology solutions company, specialising in wireless coverage. RFI has one of the largest, most innovative and experienced wireless solutions teams with dedicated engineers, product managers, deployment engineers, logistics, distribution and R&D staff.

Our network of international sales offices means that all customers get the attention and advice they require, providing local support on a global scale.

RFI develops, manufactures and distributes world-class, high performance, wireless products including; antenna systems, rebroadcast & monitoring equipment, power systems and cabling and connectors. RFI is recognised as a market leader in wireless products and offers the best products backed with outstanding technical support.

RFI is continually strengthening its technology solutions portfolio, including the recent acquisition of Maxon Australia, allowing us to offer industry leading M2M solutions.

AWARD WINNING MANUFACTURING

RFI is proud to be an award winning manufacturer with wireless coverage products that perform on a global stage. RFI Technology solutions are manufactured in Australia and exported to 80+ countries. RFI operates manufacturing sites in Victoria and South Australia, both with a proud history in quality, safety and environmental performance. Our two sites include Australia's largest antenna manufacturing facility, producing world class Antenna and Multicoupling Systems for both Domestic and International Markets and the only Australian manufacturing site producing frequency translating repeater systems.

LEADING-EDGE TECHNOLOGY

RFI utilises leading RF design and drafting modeling packages. Our world-class testing environment has an extensive suite of test equipment and custom automated testing.

RFI Exposed Dipole Arrays

RFI's dipole arrays are chosen for durability and strength, resistance to lightning and surge or even rodents or pests. They also offer great electrical performance, with varying gain and tilt options, low PIM, high power, as well as excellent mechanical strength.

A complete range of solutions is offered for everything from short range to wide area coverage, directional options are covered with both offset and screened arrays, as well as bidirectional for more specific applications such as valleys and rail.

PERFORMANCE

RFI's industry leading dipole arrays offer not only low loss, high power performance, but also, excellent industry leading low PIM performance. These characteristics are tested throughout the manufacturing process, which not only ensures a premium product out of the factory, but a high performance product over its lifetime.

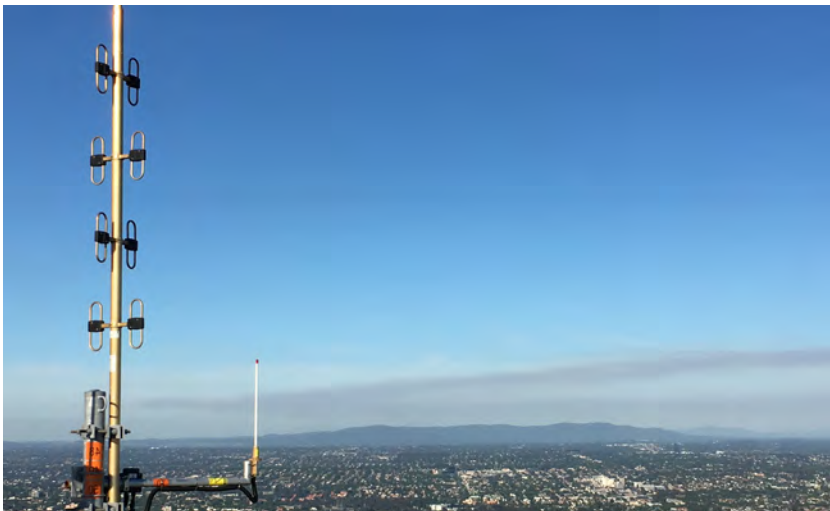
DESIGN

RFI's unique design has undergone years of continual improvement; improving not only the electrical performance but also the mechanical performance, increasing longevity and durability.

Available in aluminium, offering great electrical performance with high strength to weight ratio and excellent corrosion resistance, or stainless steel with high strength high corrosion resistance. Other options such as black powder coating may assist with heat radiation and ice shedding.

BINARY DIPOLE ARRAYS FEATURES:

- PIM Rated, individually tested
- Largest available bandwidth covering full band including band options 136-174MHz (-41 suffix), 330-420MHz (-57 suffix) & 400-520MHz (-67 suffix)
- Exceptional 500W continuous power rating
- Ultimate in lightning protection
- Range of options available including stainless steel, powder coat and down tilt variants
- Available in dual or quad 3dBd and dual 6dBd
- Ability to mix and match with different gain and collinears



RFI Dipole arrays are chosen for their highly ruggedised Low PIM design. They are DC grounded, withstanding even some lightning and or surge strikes*, and so are the choice antenna for lightning prone sites such as mountain sites, tall buildings, or critical infrastructure.

Some notable sites where RFI's Dipole arrays were specifically chosen are:

- Petronas Twin Towers Malaysia
- Taipei 101
- Empire State Building
- Sky Tower NZ

Some notable projects where the ruggedised build, low PIM solution offered by dipole arrays include:

- Samoa Nationwide Emergency Network
- Vietnam National Public Safety Network
- Malaysian National Public Safety Network
- Several Australian Public Safety Networks
- Choice antenna in many public safety networks in the USA



Product Applications

GEORGIA UTILITIES

RFI Enclosed Arrays Bring a Shared Mission Critical TETRA Network to Georgia Electricity Cooperative.

THE CHALLENGE

Diverse Power was seeking to implement a TETRA network to create a mission-critical TETRA radio network for a series of regional electric utilities cooperatives to replace an end-of-life, outdated analog system. The new radio system required dispatch capabilities that could cooperate with existing systems, including the possibility of data applications such as GPS tracking and supervisory control and data acquisition (SCADA) applications. The use of high gain UHF antennas was preferred, and concerns expressed regarding close in coverage and low PIM performance.

THE RESULTS

Designed and commissioned by PowerTrunk, the TETRA network infrastructure features a mix of more than 85 RFI BA4040-67 & BA80-67 enclosed dipole arrays and COL45 Meander collinear antennas. RFI's high gain UHF antennas were chosen for their outstanding low PIM characteristics across a mix of technologies to suit wide range of environments and applications.

The area utilities have since joined the network and it became the Georgia Cooperative. It currently covers 67% of the state with 57 sites and continues to grow, with an anticipated coverage of 75%. This was the first utility in the USA to adopt TETRA with great success.



VHF Exposed Dipole Array

- PIM rated, individually tested
- Largest available bandwidth covering full band
- Exceptional 750W continuous power rating
- Ultimate in lightning protection
- Range of options available including Stainless steel, powder coat down tilt variants
- Also available in dual 3dBd
- 4.3-10 Connector



EA40-41-P

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd	Frequency	Bandwidth	VSWR	Tilt Options	3dB Beamwidth		Power W	PIM Spec dBc	Construction	Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice
								H Plane	E Plane							
VHF Omni-Directional Dipole Arrays																
VHF	BA40-41-P	3dBd VHF Omni-directional Exposed Dipole Array	3.0	136-174MHz	Full Band	1.5:1	0 std	Omni	35	750	-150	All welded Aluminium, Alodined finish	3500 (138)	14.5 (32)	4164 (4.5)	>240 (149)
	BA4040-41-P	Dual 3dBd VHF Omni-directional Exposed Dipole Array	2 x 3								-140		6300 (248)	31 (68)	8294 (8.9)	184 (114)
	BA80-41-P	6dBd VHF Omni-directional Exposed Dipole Array	6.0				0 std, 3		17							
VHF Bi-Directional Dipole Arrays																
VHF	EA40-41-P	5 dBd VHF Bi-directional Exposed Dipole Array	5.0	136-174MHz	Full Band	1.5:1	0 std	104	35	750	-150	All welded Aluminium, Alodined finish	3500 (138)	14.5 (32)	4781 (5.1)	>240 (149)
	EA4040-41-P	Dual 5dBd VHF Bi-directional Exposed Dipole Array	2 x 5								-140		6300 (248)	31 (68)	9513 (10.2)	175 (109)
	EA80-41-P	8dBd VHF Bi-directional Exposed Dipole Array	8.0					128	17							

BA40-41-P <ul style="list-style-type: none">• 3dBd gain, 750W and low -150dBc PIM• Binary design providing best Omni-directional coverage• Low loss design• Useful for close in coverage, localised sites and coverage in extreme terrain, including mining, remote sites, mountain sites• Dual 3dBd also available, as BA4040-41-P, in a single antenna	Typical E-Plane	Typical H-Plane
BA80-41-P <ul style="list-style-type: none">• 6dBd gain• Binary design providing best Omni-directional coverage• Great coverage characteristics• Offers max gain for wide area VHF coverage• Range of downtilt options available	Typical E-Plane	Typical H-Plane
EA40-41-P <ul style="list-style-type: none">• 5dBd gain, 750W and low -150dBc PIM• Low loss design• Useful for close in Bi-directional coverage, localised sites and coverage in extreme terrain like valleys, mining and rail• Dual 5dBd also available, as EA4040-41-P, in single antenna	Typical E-Plane	Typical H-Plane
EA80-41-P <ul style="list-style-type: none">• 8dBd gain• Great coverage characteristics• Offers max gain for wide area VHF coverage• The mix of variants and options on offer, make an ideal solution for VHF multi-carrier environments• Useful for Bi-directional coverage, in more specific applications like valleys, mining and rail	Typical E-Plane	Typical H-Plane

VHF Directional Antennas

- PIM rated, individually tested
- Largest available bandwidth covering full band
- Excellent front to back ratios available
- Exceptional 750W continuous power rating
- Ultimate in lightning protection
- Range of azimuth patterns available, to satisfy varying coverage requirements
- 4.3-10 Connector



FSA20-41-DIN

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd	Frequency	Bandwidth	VSWR	3dB Beamwidth		Front / Back Ratio	Power W	PIM Spec dBc	Construction	Total Length mm (in)	Screen Height/depth mm (in)	Screen Width mm (in)	Screen Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice	Parts
							H Plane	E Plane												
180° Nominal Horizontal Beamwidth																				
VHF	OA20-41-P	5dbd VHF Directional Dipole Array OFFSET, 4.3-10	5	136-174MHz	Full Band	1.5:1	174	34	7.3	750	-150	All welded Aluminium, Alodined finish	3500 (138)	-	-	-	12.5 (28)	3710 (4.0)	>240 (150)	-
	OA2020-41-P	Dual 5dbd VHF Directional Dipole Array OFFSET, 4.3-10	2 x 5					17			-140		6300 (248)				29 (64)	7396 (8.0)	191 (118)	
	OA40-41-P	9dbd VHF Directional Dipole Array OFFSET, 4.3-10	9																	
110° Nominal Horizontal Beamwidth																				
VHF	FSA10-41-P	Flat Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	5	146-174MHz	Full Band	1.5:1	106	70	17	750	-140	All welded Aluminium, Alodined finish	-	40 (1.5)	1040 (41)	1300 (51)	14.5 (32)	5707 (6.1)	>240 (150)	M-8568 + M-8648 (dipole)
	FSA20-41-P	Flat Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	7	148-174MHz		1.7:1	108	34	18				2600 (138)			2600 (138)	33.5 (74)	12345 (13.3)	>240 (150)	M-8566 + OA20-41-DIN
60° Nominal Horizontal Beamwidth																				
VHF	CSA10-41-P	Corner Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	7	148-174MHz	Full Band	1.5:1	64	66	23	750	-140	All welded Aluminium, Alodined finish	-	660 (26)	1492 (59)	1300 (51)	22 (47)	10548 (11.4)	>240 (150)	M-8569 + M-8648 (dipole)
	CSA20-41-P	Corner Backscreen complete with RFI OA20-41 Antenna. Screen attached top & bottom to tower	9		Full Band	1.7:1	62	35	24				3500 (138)	692 (27)	1530 (60)	2600 (102)	78 (110)	44108 (47.5)	>240 (150)	M-8567 + OA20-41-DIN
	CR2	Single dipole on corner screen, 26MHz tunable bandwidth, 136-162MHz or 148-174MHz	7	136-162MHz or 148174MHz*	26MHz	1.5:1		69	22				-	615 (24)	1930 (76)	1200 (47)	13 (28)	9170 (9.9)	>240 (150)	-

*Specify required frequency band for CR2 on order.

OA Series 180° H Plane <ul style="list-style-type: none">• Directional gain, with >7dB F/B• Available in 5dBd or 8dBd gain, 750W and low -150dBc PIM• Approx 180° beamwidth (H Plane)• Low loss design• Used in sites requiring directional or localised coverage including mining, public safety• Dual 5dBd also available, as OA2020-41-P, in a single antenna	Typical E-Plane	Typical H-Plane
FSA Series 110° H Plane <ul style="list-style-type: none">• Directional gain, OA with flat screen attachment• Offers greater F/B >17dB, and 110° H Plane beamwidth• Available in 5dBd or 8dBd gain, 750W and low -150dBc PIM• Low loss design• Used in sites requiring directional or localised coverage with increased front to back	Typical E-Plane	Typical H-Plane
CSA Series 60° H Plane <ul style="list-style-type: none">• Directional gain, OA with Corner screen attachment• Offers highest F/B >22dB, and 60° H Plane beamwidth• Available in 7dBd or 9dBd gain, 750W and low -150dBc PIM• Low loss design• Used in sites requiring highly directional coverage with increased front to back requirements	Typical E-Plane	Typical H-Plane

UHF Exposed Dipole Array

- PIM rated, individually tested
- Largest available bandwidth covering full band
- Exceptional 500W continuous power rating
- Ultimate in lightning protection
- Range of options available including Stainless steel, powder coat down tilt variants
- Also available in dual or quad 3dBd and dual 6dBd
- Ability to mix and match with different gain and collinears*
- 4.3-10 Connector
- 2 Band options available covering both 330-420MHz (-57 suffix) & 400-520MHz (-67 suffix)



BA80-67-P

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd	Frequency	Bandwidth	VSWR	Tilt Options	3dB Beamwidth		Power W	PIM Spec dBc	Construction	Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice
								H Plane	E Plane							
UHF Omni-Directional Dipole Arrays																
UHF	BA40-67-P	3dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	3	400-520MHz	Full Band	1.5:1	0 Std	Omni	30	500	-150	All welded Aluminium, Alodined finish	2100 (83)	5 (11)	1833 (2.0)	>240 (150)
	BA4040-67-P	Dual 3dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	2 x 3										3000 (118)	8 (18)	3063 (3.3)	
	BA4040404067-P	Quad 3dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	4 x 3										5700 (224)	20.5 (45)	6470 (7.0)	200 (124)
	BA80-67-P	6dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	6				0 Std, 3, 5, 8		16		-140		3000 (118)	8 (18)	3063 (3.3)	>240 (150)
	BA8080-67-P	Dual 6dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	2 x 6				0 Std, 3						5700 (224)	20.5 (45)	6470 (7.0)	200 (124)
	BA160-67-P	9dBd VHF Omni-directional Exposed Dipole Array, 4.3-10	9													
UHF Bi-Directional Dipole Arrays																
UHF	EA40-67-P	5dBd VHF Bi-directional Exposed Dipole Array, 4.3-10	5	400-520MHz	Full Band	1.5:1	0 Std	74	34	500	-150	All welded Aluminium, Alodined finish	2100 (83)	5 (11)	2118 (2.3)	>240 (150)
	EA4040-67-P	Dual 5dBd VHF Bi-directional Exposed Dipole Array, 4.3-10	2 x 8				0 Std						3000 (118)	8 (18)	3633 (3.9)	219 (136)
	EA80-67-P	8dBd VHF Bi-directional Exposed Dipole Array, 4.3-10	8				0 Std, 3, 5		17				3000 (118)			

BA40-67-P <ul style="list-style-type: none">• 3dBd gain, 500W and low -150dBc PIM• Binary design providing best Omni-directional coverage• Low loss design• Useful for close in coverage, localised sites and coverage in extreme terrain, including mining, remote sites, mountain sites• Dual or quad 3dBd also available, as mixes with 6dBd such as BA4040-P or BA40404040-P BA404080-67-P in single antenna	Typical E-Plane	Typical H-Plane
BA80-67-P <ul style="list-style-type: none">• 6dBd gain, 500W, Low -150dBc PIM• Binary design providing best Omni-directional coverage• Range of downtilt options available• The mix of variants and options on offer, make an ideal solution for UHF multi-carrier environments, in markets such as public safety and government, or useful for critical infrastructure in markets such as utilities• BA8080-P and BA160-67-P with 9dBd and tilt options also available	Typical E-Plane	Typical H-Plane
EA40-67-P <ul style="list-style-type: none">• 5dBd gain, 500W and low -150dBc PIM• Low loss design• Useful for close in Bi-directional coverage, localised sites and coverage in extreme terrain like valleys, mining and rail• Dual 5dBd also available, as EA4040-67-P, in single antenna	Typical E-Plane	Typical H-Plane
EA80-67-P <ul style="list-style-type: none">• 8dBd gain• Great coverage characteristics• Offers max gain for wide area UHF coverage• The mix of variants and options on offer, make an ideal solution for UHF multi-carrier environments.• Useful for Bi-directional coverage, in more specific applications like valleys, mining and rail	Typical E-Plane	Typical H-Plane

UHF Directional Antennas

- PIM rated, individually tested
- Largest available bandwidth covering full band
- Excellent front to back ratios available
- Exceptional 500W continuous power rating
- Ultimate in lightning protection
- Range of azimuth patterns available, to satisfy varying coverage requirements
- 4.3-10 connector



CSA40-67-P

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd	Frequency	Bandwidth	VSWR	Tilt Options	3dB Beamwidth		Front / Back Ratio	Power W	PIM Spec dBc	Construction	Total Length mm (in)	Screen Height/depth mm (in)	Screen Width mm (in)	Screen Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice	Screen
								H Plane	E Plane												
180° Nominal Horizontal																					
UHF	OA20-67-P	2-Bay Exposed Dipole Array OFFSET, Fixed bottom only	5	400-520 MHz	Full Band	1.5:1	0 Std	179	35	9.5	500	-150	All welded Aluminium, Alodined finish	2100 (83)	-	-	-	4 (8)	1646 (1.8)	>240 (150)	-
	OA2020-67-P	2 x 2 Bay Exposed Dipole Array OFFSET	2 x 5											3000 (118)	-	-	-	6.5 (14)	2688 (2.9)		-
	OA40-67-P	4-Bay Exposed Dipole Array OFFSET	8				0 Std, 3, 5, 8		17			-			-	-	20.5 (45)	4732 (5.1)	220 (137)		-
	OA4040-67-P	2 x 4 Bay Exposed Dipole Array OFFSET	2 x 8					0 Std, 3, 5		9	9	5700 (224)	-	-	-	-					
	OA80-67-P	8 Bay Exposed Dipole Array OFFSET	11				0 Std, 3		-				-	-	-	-	-	-			
130° Nominal Horizontal																					
UHF	FSA10-67-P	Flat Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	5	406-512 MHz	Full Band	1.5:1	0 Std	121	71	20	500	-140	All welded Aluminium, Alodined finish	-	40 (1.5)	560 (22)	500 (20)	4 (9)	1280 (1.4)	>240 (150)	M-8570 + SMD40-67-DIN
	FSA20-67-P	Flat Backscreen complete with RFI OA20-67-P Antenna. Screen attached top & bottom to tower	7					132	35					2100 (83)		600 (23.5)	1000 (39)	14 (30)	4390 (5.1)		M-8566 + OA20-67
	FSA40-67-P	Flat Backscreen complete with RFI OA40-67-P Antenna. Screen attached top & bottom to tower	9					135	17	21				3000 (118)			2000 (79)	18 (40)	5097 (5.5)		M-8572 + OA40-67
70° Nominal Horizontal																					
UHF	CSA10-67-P	Corner Reflector Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	7	406-512MHz	Full Band	1.5:1	0 Std	70	70	22	500	-140	All welded Aluminium, Alodined finish	-	260 (10)	840 (33)	500 (20)	6 (13)	2704 (2.9)	>240 (150)	M-8571 + SMD40-67-DIN
	CSA20-67-P	Corner Reflector Backscreen complete with RFI OA20-67-P Antenna. Screen attached top & bottom to tower	9						35	25				2100 (83)			1000 (42)	19 (42)	5940 (6.4)	>240 (150)	M-8564 + OA20-67
	CSA40-67-P	Corner Backscreen complete with RFI OA40-67-P Antenna. Screen attached top & bottom to tower	11	420-520MHz					17	28				3000 (118)			2000 (79)	34 (75)	15334 (16.5)	>240 (150)	M-8565 + OA40-67
40° Nominal Horizontal																					
UHF	CR4-67-P	Corner Reflector Backscreen complete with a single dipole Antenna. Screen attached top & bottom to tower	9	400-520 MHz	Full Band	1.5:1	0 Std	40	57	23	500	-140	All welded Aluminium, Alodined finish	-	580 (23)	1160 (46)	608 (24)	6 (13)	3868 (4.2)	>240 (150)	-

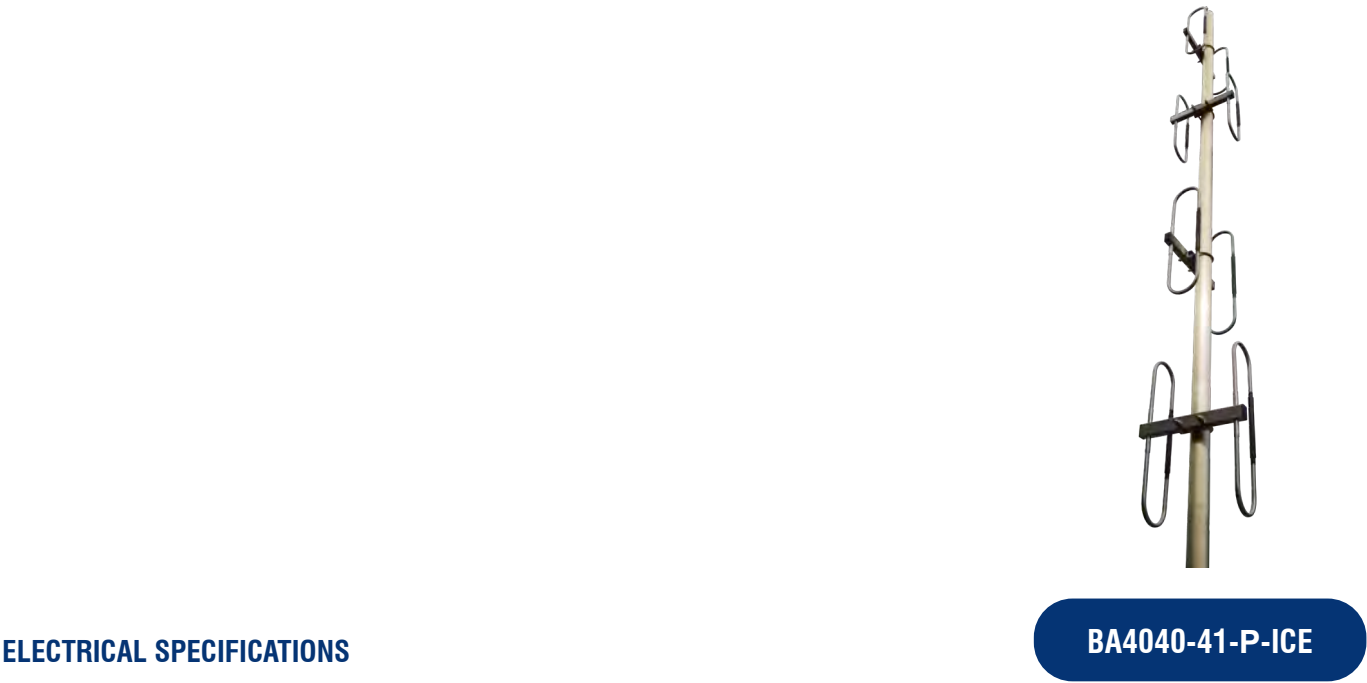
OA Series 180° H Plane	Typical E-Plane	Typical H-Plane
<ul style="list-style-type: none">• Directional gain, with >9dB F/B• Available in 5dBd, 8dBd or 11dBd gain, 500W and low -150dBc PIM• Approx 180° beamwidth (H Plane)• Used in sites requiring directional or localised coverage including mining, public safety• Dual 5dBd or dual 8dBd also available, as OA2020-67-P or OA4040-67-P, in single antenna		
FSA Series 130° H Plane	Typical E-Plane	Typical H-Plane
<ul style="list-style-type: none">• Directional gain, OA with Flat screen attachment• Offers greater F/B >20dB, and 110° H Plane beamwidth• Available in 5dBd or 8dBd gain, 500W and low -150dBc PIM• Low loss design• Used in sites requiring directional or localised coverage with increased front to back		
CSA Series 70° H Plane	Typical E-Plane	Typical H-Plane
<ul style="list-style-type: none">• Directional gain, OA with Corner screen attachment• Offers highest F/B >22dB, and 60° H Plane beamwidth• Available in 7dBd or 9dBd gain, 750W and low -150dBc PIM• Low loss design• Used in sites requiring highly directional coverage with increased front to back requirements		

Special Antennas

- PIM rated, individually tested
- Exceptional continuous power rating
- Meeting customer and market requirements such as high strength/high survivability and adaptability
- Ultimate in lightning protection
- Range of gain options available, satisfying various coverage requirements
- 4.3-10 connector
- Addition of phasing harness PA22-67-P for 6dBd UHF alternative.

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd		Frequency		Bandwidth		VSWR	Tilt Options	3dB Beamwidth VHF		4dB Beamwidth UHF		Power		PIM Spec dBc	Construction	Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice
			VHF	UHF	VHF	UHF	VHF	UHF			H Plane	E Plane	H Plane	E Plane	VHF	UHF						
Special Arrays - Combination																						
VHF/UHF	IA404040-41-67-P	Interleaved array, VHF/ UHF, 4.3-10	3	2 x 3	148-174 MHz	400-520 MHz	Full Band		1.5:1	0 Std	Omni	23	Omni	41	750	500	-150	Fully welded Aluminium with Alodined finish	4200 (165)	20 (44)	6564 (7.0)	>240 (150)



IA404040-41-67-P	Typical E-Plane	Typical H-Plane
<ul style="list-style-type: none">• Interleaved VHF and UHF dipole arrays• Low -150dBc PIM, with 500W UHF and 750W VHF• Offering dual UHF 3dBd gain, which can be harnessed to provide single 6dBd• Single 3dBd VHF antenna• Binary design providing best Omni-directional coverage• Useful for sites requiring dual full band coverage, including government and public safety networks		

ELECTRICAL SPECIFICATIONS

Band	Model Number	Description	Rated Gain dBd	Frequency	Bandwidth	VSWR	Tilt Options	3dB Beamwidth VHF		Power	PIM Spec dBc	Construction	Length mm (in)	Weight kg (lbs)	Projected Area cm² (ft²)	Wind Rating km/h (mph) no ice
								H Plane	E Plane							
Special Arrays - Combination																
VHF	BA4040-41-P-ICE	Dual 3dBd VHF Omni-Directional Rugged Exposed Dipole Array	2 x 3.0dBd	155-174MHz	Full Band	1.5:1	0 Std	Omni	43	750W	-140dBc	24mm Stainless Steel Dipoles Clamped at 90mm Aluminium Boom	5800 (228)	60 (132)	10769 (11.6)	>240 (150)
VHF	BA404040-41-P-ICE	Triple 3dBd VHF Omni-Directional Rugged Exposed Dipole Array	3 x 3.0dBd									24mm Stainless Steel Dipoles Clamped at 90mm Aluminium Boom	8200 (323)	85 (187)	14848 (16.0)	201 (125)

BA4040-41-P-ICE	Typical E-Plane	Typical H-Plane
<ul style="list-style-type: none">• High Strength, high survivability VHF dipole array• 750W and low -150dBc PIM• Dual 3dBd gain, provided on a single boom• Harness can be provided to increase gain to 6dBd• A third 3dBd array can be stacked on top to provide triple 3dBd array• Constructed using 90mm aluminium boom, with stainless steel dipoles• Ideal for high rugged application, including ice, snow and extreme wind conditions• Binary design providing best Omni-directional coverage		

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