



AW3631-E-F

Common Name 18 Port, 2.3M, AltaFlex, LB & HB Compact Tri-Sector

698-960MHz	6	eRET	12	65°
1710-2690MHz	12	eRET	14	65°
Frequency	Ports	Tilt	Gain	Beamwidth

PRODUCT INFORMATION

This product was designed to offer a lowband and high band trisector solution in a reduced length. This was intended to reduce windloading for mounting onto pre-existing monopoles.

APPLICATION

Canisters provide multiple antennas into one attractive package. These canisters deliver an elegant macro solutions for pole-top, rooftop and streetworks applications. Alpha Wireless produces the highest performance, smallest diameter canister in the marketplace. The AltaFlex canister houses both high and low band Tri-sector antennas.

STANDARD & CERTIFICATIONS

Certification	BS EN ISO 9001:2015
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FEATURES

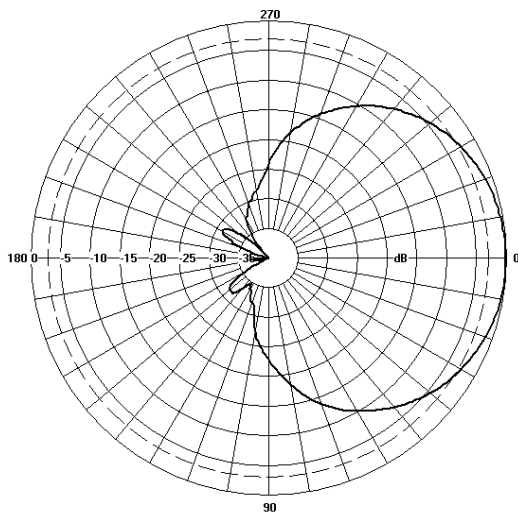
- Multi-band Tri-Sector antenna: 698-960/1710-2690MHz
- Low PIM performance to reduce interference
- Independent tilt on each band
- Flange Mount Design.

The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6.

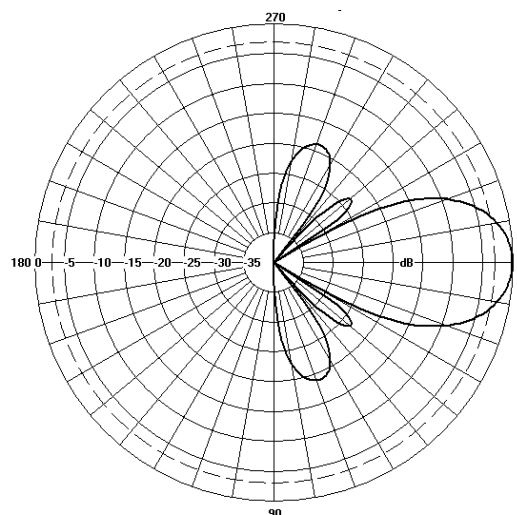
TECHNICAL SPECIFICATION

Electrical Specifications							
Frequency Range	MHz	698-731	731-845	845-960	1710-1995	1920-2170	2500-2690
Polarisation	Degree	+/-45°					
Gain							
Basta	dBi	11.4±0.5	11.5±0.5	11.6±0.5	12.9±0.5	13.3±0.5	13.7±0.5
Max	dBi	11.9	12.0	12.1	13.4	13.8	14.2
Azimuth Beamwidth	Degree	69°	67°	65°	71°	67°	58°
Azimuth Beam Squint	Degree<	3°					
Elevation Beamwidth	Degree	26°	25°	23°	19°	17°	13°
Electrical Downtilt	Degree	T6° - T14°			T2° - T10°		
Electrical Downtilt Deviation	Degree<	1°					
Impedance	Ohms	50					
VSWR	<	1.5					
Return Loss	dB>	14					
Isolation	dB>	25					
Passive Intermodulation	dBc<	-150					
Upper Sidelobe Suppression, Peak to 20°	dB>	N/A			16		
Cross-Polar Discrimination	dB>	16			15		
Maximum Effective Power Per Port	W	250			250		

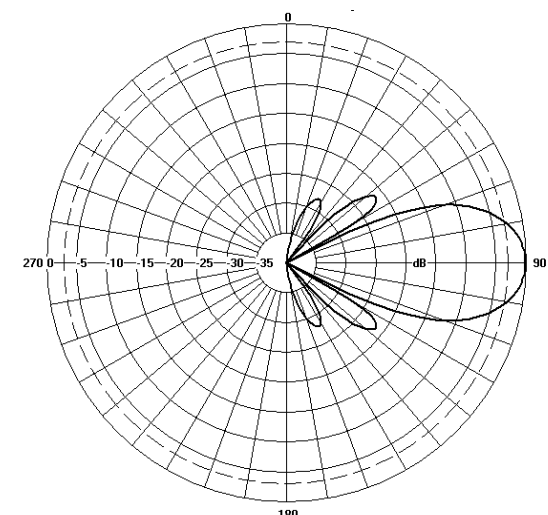
Representative Pattern Files



Azimuth



Low band



High Band

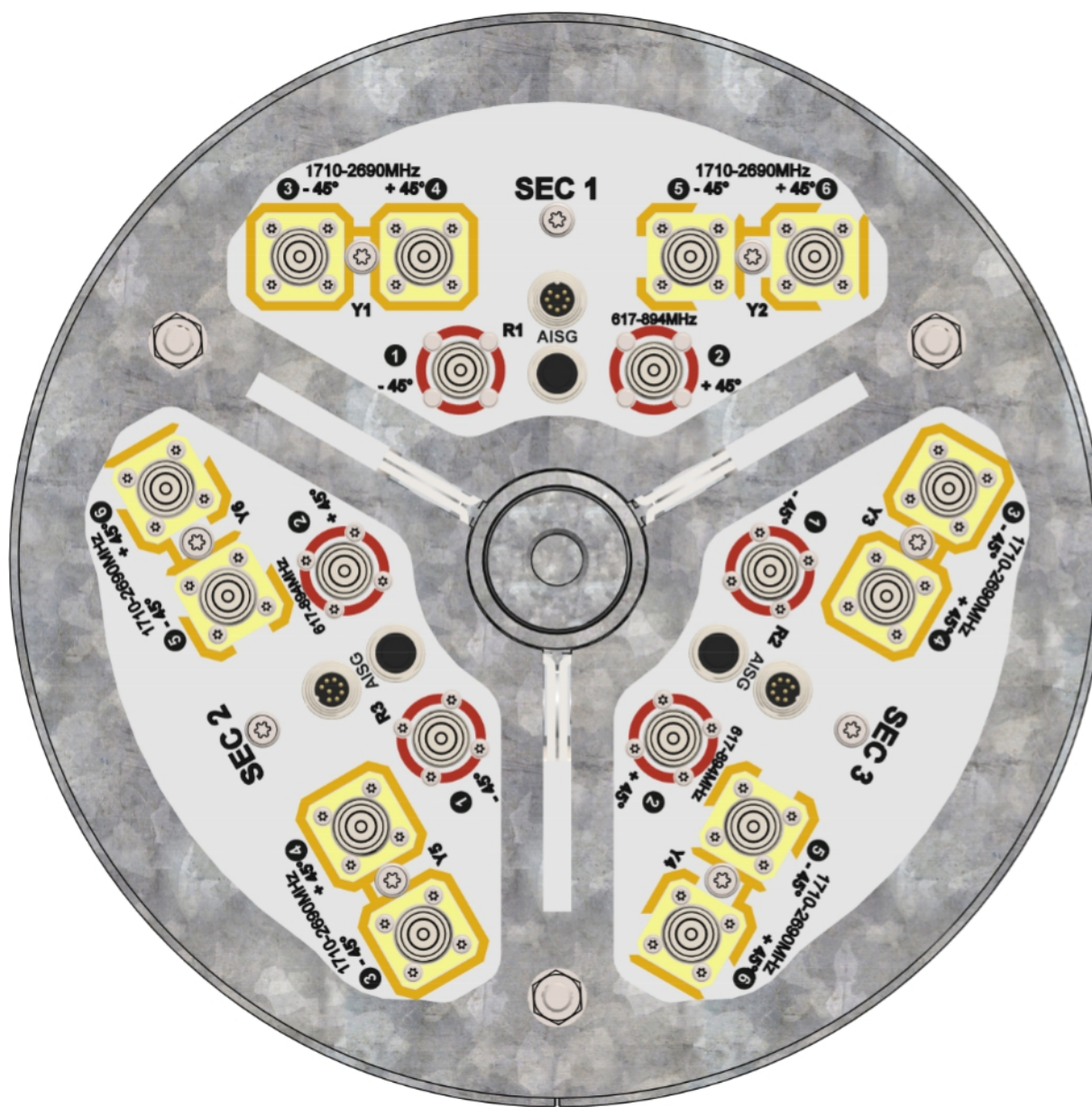
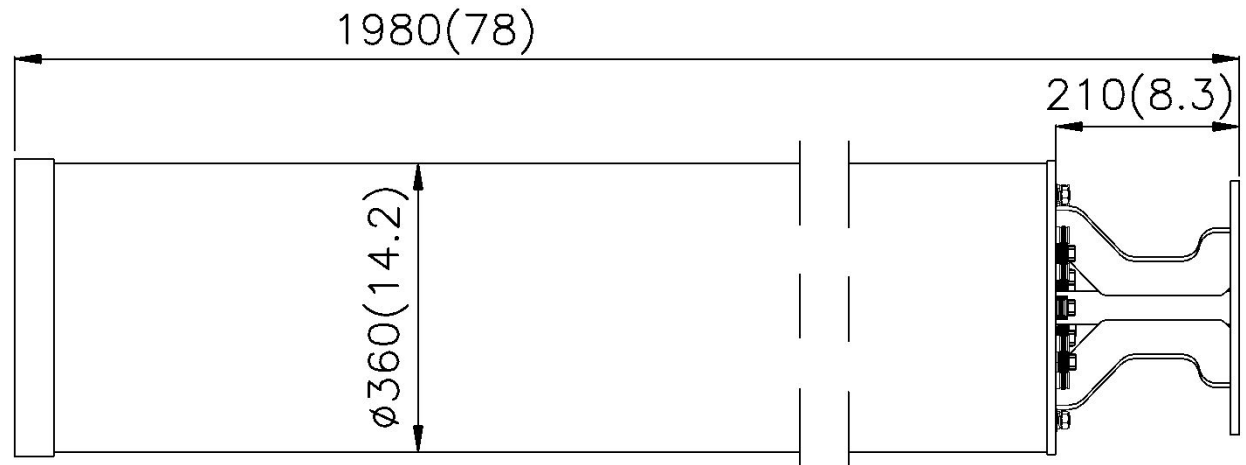
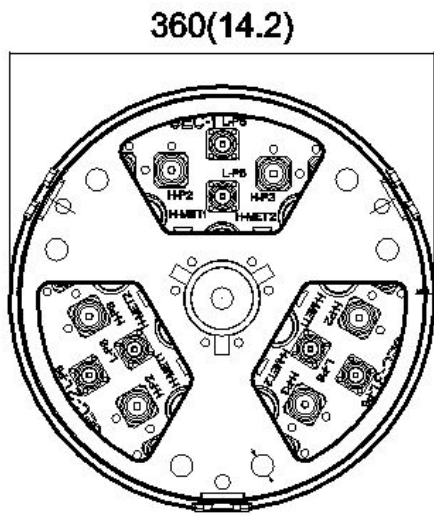
Elevation

For radiation pattern files, please login at www.alphawireless.com

TECHNICAL SPECIFICATION

Mechanical Specifications		
Dimensions	mm (in)	1980 (78) x 360 (14.2) - (L x Ø)
Packing Size (LxWxD)	mm (in)	2300 (90.6) x 500 (20) x 590 (23)
Net Weight (antenna)	kg (lb)	50(110)
Net Weight (mount)	kg (lb)	12.3(27.1)
Shipping Weight	kg (lb)	100 (220)
Connector Type (Female)	-	4.3-10, (6P Low Band, 12P High Band)
Connector Position	-	Bottom
Connector Quantity	-	18
Windload Frontal (at Rated Wind Speed: 150km/h)	N (lbf)	550 (124)
Windload Lateral (at Rated Wind Speed: 150km/h)	N (lbf)	550 (124)
Survival Wind Speed	km/h (mph)	200 (125)
Radome Material	-	UV-Stabilised PVC
Radome Colour	RAL	9010
Product Compliance Environmental	-	RoHS
Lightning Protection	-	DC Grounded
Cold Temperature Survival	Celsius (Fahrenheit)	-40 (-40)
Hot Temperature Survival	Celsius (Fahrenheit)	70 (158)

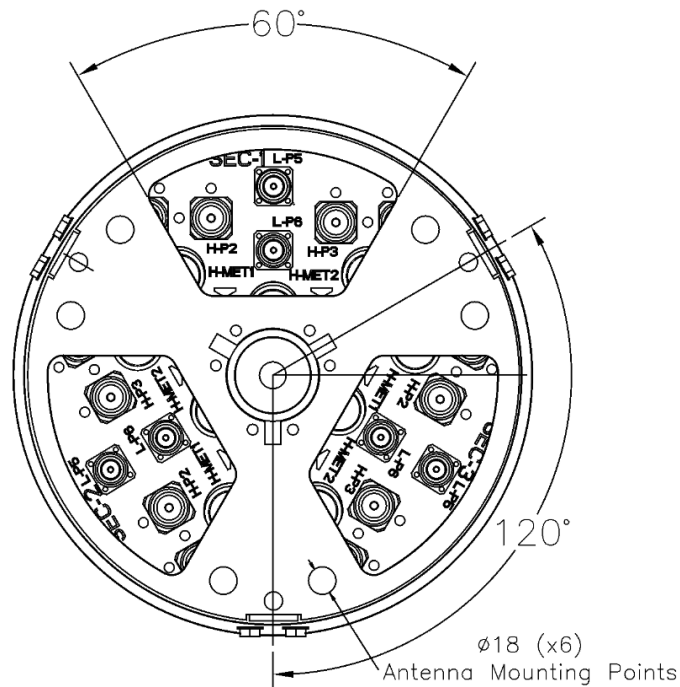
TECHNICAL SPECIFICATION



TECHNICAL SPECIFICATION

Mounting Bracket Kit

360mm Canister Flange Mount



Mounting Kit Tilt Range	Mounting Kit Material	Mounting Kit Pole Diameter
N/A	Galvanized Steel	N/A

Ordering Info

Order Code - Antenna	Description
AW3631-E-F	Enclosed Remote Electrical Tilt (eRET) with 4.3-10 connectors.
Order Code - Accessories	Description
AW1012-2-FM-FM	RF Jumper Cable, connector types 4.3-10 (m) / 4.3-10 (m), length 2 metres (6'6")
AW1012-2-FM-NM	RF Jumper Cable, connector types 4.3-10 (m) / N-Type (m), length 2 metres (6'6")
AW1014-2-FM-TM	RF Jumper Cable, connector types 4.3-10 (m) / Nex10 (m), length 2 metres (6'6")
PADC 1000	Portable AISG Controller
SADC 2000	Site AISG Controller
AW0326-3-PM-PF	AISG Jumper Cable Lengths 3 metres (9' 10")
AW0326-10-PM-PF	AISG Jumper Cable Lengths 10 metres (32' 9")
AW0326-25-PM-PF	AISG Jumper Cable Lengths 25 metres (82')
AW0326-50-PM-PF	AISG Jumper Cable Lengths 50 metres (164')

Enquiries

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