

SO-LLYYZ06-F0

10-Ports, X-Pol, Omni Antenna, 0.6m, 2x 1695-2690/2x 3300-4200/ 5150-5925, 360deg, Fixed Tilt

FEATURES / BENEFITS

- 4 ports / 2 cross pol systems in mid band (1695-2690MHz)
- 4 ports / 2 cross pol systems in high band (3300-4200MHz)
- 2 ports / 1 cross pol system in high band (5150-5925MHz)
- Fixed tilt
- Clover omni

**Technical features****ELECTRICAL SPECIFICATIONS**

Electrical Specification Header		Mid Band Arrays (1695-2690 MHz) Ports 1-4				
Frequency Range	MHz	1695-1880	1850-1990	1920-2200	2300-2496	2496-2690
Gain	dBi	9.5	9.6	9.8	10.5	10.5
Azimuth Beamwidth 3dB	deg	360	360	360	360	360
Elevation Beamwidth 3dB	deg	21 +/- 2	20 +/- 2	18 +/- 2	16 +/- 2	14 +/- 1
Electrical Downtilt	deg	5	5	5	5	5
First Upper Side Lobe	dB	11	11	11	12	12
VSWR	-	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Return Loss	dB	-14	-14	-14	-14	-14
Cross Polar Isolation	dB	25	25	25	25	25
3rd Order PIM 2 x 43dBm	dBc	- 153	- 153	- 153	- 153	- 153
Maximum CW Power per Port	Watts	50	50	50	50	50
Gain Over All Tilts	dBi	9.0 +/- 0.5	9.1 +/- 0.5	9.3 +/- 0.5	9.9 +/- 0.6	9.9 +/- 0.6

SO-LLYYZ06-F0

10-Ports, X-Pol, Omni Antenna, 0.6m, 2x 1695-2690/2x 3300-4200/ 5150-5925, 360deg, Fixed
Tilt

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		High Band Arrays (3300-4200) [Ports 5-8]			
Frequency Range	MHz	3300-3400	3400-3700	3700-4000	4000-4200
Gain	dBi	6.1	7.0	7.5	7.0
Azimuth Beamwidth 3dB	deg	360	360	360	360
Elevation Beamwidth 3dB	deg	45 +/- 4	36 +/- 9	31 +/- 8	32 +/- 4
Electrical Downtilt	deg	5	5	5	5
First Upper Side Lobe	dB	10	10	10	10
VSWR	-	1.5:1	1.5:1	1.5:1	1.5:1
Return Loss	dB	-14	-14	-14	-14
Cross Polar Isolation	dB	25	25	25	25
3rd Order PIM 2 x 43dBm	dBc	-153	-153	-153	-153
Maximum CW Power per Port	Watts	50	50	50	50
Gain Over All Tilts	dBi	5.8 +/- 0.3	6.5 +/- 0.5	6.8 +/- 0.7	6.8 +/- 0.2

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		High Band Array (5150-5925) [Ports 9-10]			
Frequency Range	MHz	5150-5925			
Gain	dBi	5.6			
Azimuth Beamwidth 3dB	deg	360			
Elevation Beamwidth 3dB	deg	25 +/- 5			
Electrical Downtilt	deg	0.0			
First Upper Side Lobe	dB	15			
VSWR	-	1.4:1			
Return Loss	dB	-15.5			
Cross Polar Isolation	dB	25			
3rd Order PIM 2 x 43dBm	dBc	/			
Maximum CW Power per Port	Watts	5			
Gain Over All Tilts	dBi	4.8 +/- 0.8			

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		5 GHz FCC Power Requirements			
U-NII Band	-	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency	MHz	5150-5250	5250-5350	5470-5725	5725-5850
Max Input power per port to align with FCC Title 47 Part 15	Watts	1.0	.5	.5	.5

ELECTRICAL SPECIFICATIONS

Impedance	Ohm	50			
Polarization	Deg	+/-45			

SO-LLYYZ06-F0

10-Ports, X-Pol, Omni Antenna, 0.6m, 2x 1695-2690/2x 3300-4200/ 5150-5925, 360deg, Fixed Tilt

MECHANICAL SPECIFICATIONS

Dimensions - H x W x D	mm (in)	609 x 332 x 332 (24 x 13.1 x 13.1)
Weight (Antenna Only)	kg (lb)	10.8 (23.8)
Weight (Mounting Hardware only)	kg (lb)	10.5 (23.1)
Packing size- HxWxD	mm (in)	1000 x 430 x 435 (39.4 x 16.9 x 17.1)
Shipping Weight	kg (lb)	24.5 (54)
Connector type		10 x 4.3-10 Long Neck Female/Bottom
Radome Material / Color		ASA / Light Grey RAL7035

TESTING AND ENVIRONMENTAL

Temperature Range	°C (°F)	-40 to 60 (-40 to 140)
Lightning protection		Direct Ground
Survival/Rated Wind Velocity	km/h	240 (150)
Wind Load @Rated Wind Front	N	170
Wind Load @Rated Wind Side	N	170
Wind Load @Rated Wind Rear	N	170

ORDERING INFORMATION

Model Number	Configuration	Mounting Hardware	Mounting pipe Diameter	Shipping Weight
SO-LLYYZ06-F0	Fixed Tilt Omni	APM40-8	85-170mm (3.35-6.69 in)	24.5 kg (54lbs)

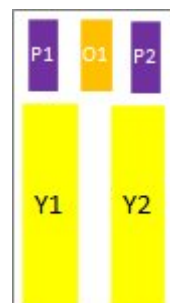
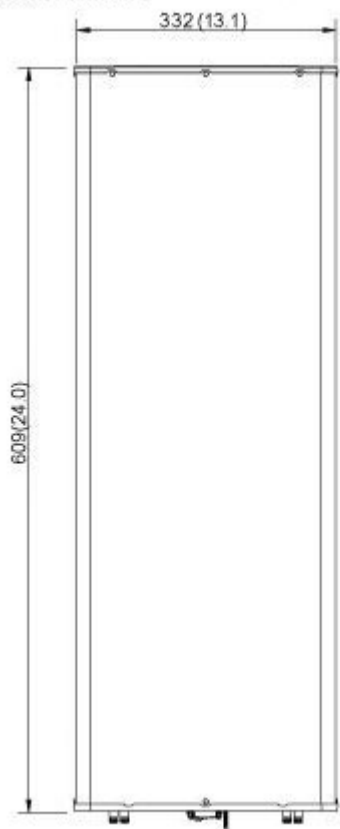
Port	Array	Frequency
1	Y1	1695-2690
2		1695-2690
3	Y2	1695-2690
4		1695-2690
5	P1	3300-4200
6		3300-4200
7	P2	3300-4200
8		3300-4200
9	O1	5150-5925
10		5150-5925

SO-LLYYZ06-F0

10-Ports, X-Pol, Omni Antenna, 0.6m, 2x 1695-2690/2x 3300-4200/ 5150-5925, 360deg, Fixed
Tilt



Dimensions: mm (in)



This drawing is a general representation of the antenna – it does NOT accurately depict the connectors or radome shape.

SO-LLYYZ06-F0

10-Ports, X-Pol, Omni Antenna, 0.6m, 2x 1695-2690/2x 3300-4200/ 5150-5925, 360deg, Fixed
Tilt

External Document Links

[APM40_Series_Installation_Instructions](#)

Notes

- All electrical parameters are compliant with BASTA NGMN 11.1 requirements.
- For additional mounting information please click ""External Document Links"".
- **Radiating patterns:** [Request pattern files](#)