Product Specifications

AXXD06MS-3NX

0.6 m, High Performance, Dual-Polarized Class3 Modular Antenna, XX for 7W ~ 42GHz

General Specifications

Product Type	Microwave antenna
Product Series	UHP-M

Electrical Specifications

Model Number	Frequency (GHz)	Gain (dBi)			HPBW (°)	XPD (dB)	F/B Ratio (dB)	VSWR max	Return Loss(dB)	ETSI Standard	Antenna Input
		Low	Mid	High							
A7WD06MS-3NX	7.125 ~ 8.5	30.6	31.3	31.9	4.7	30	57	1.3	17.7	Class 3	154IEC-UBR84
A10WD06MS-3NX	10.125 ~ 11.7	33.5	34.5	35	3.3	30	61	1.3	17.7	Class 3	154IEC-UBR100
A13D06MS-3NX	12.75 ~ 13.25	35.8	36	36.2	2.7	30	61	1.3	17.7	Class 3	154IEC-UBR120
A15D06MS-3NX	14.4 ~ 15.35	36.7	37.1	37.3	2.4	30	65	1.3	17.7	Class 3	154IEC-UBR140
A18D06MS-3NX	17.7 ~ 19.7	38.6	39.4	39.8	1.8	30	67	1.3	17.7	Class 3	154IEC-UBR220
A23D06MS-3NX	21.2 ~ 23.6	40.2	40.7	41.2	1.55	30	66	1.3	17.7	Class 3	154IEC-UBR220
A26D06MS-3NX	24.25 ~ 26.5	41.5	42	42.5	1.3	30	68	1.3	17.7	Class 3	154IEC-UBR220
A28D06MS-3NX	27.5 ~ 29.5	42.5	42.8	43.2	1.2	30	69	1.3	17.7	Class 3	154IEC-UBR320
A32D06MS-3NX	31.8 ~ 33.4	43.2	43.5	43.8	1.1	30	63	1.3	17.7	Class 3b	154IEC-UBR320
A38D06MS-3NX	37 ~ 40	44.6	45.2	45.8	0.9	30	66	1.3	17.7	Class 3b	154IEC-UBR320
A42D06MS-3NX	40.5 ~ 43.5	45.7	46	46.3	0.8	30	67	1.3	17.7	Class 3b	UG383/U-R400

Mechanical Specifications

Diameter (m)	0.6
Antenna Color (color charts)	Pantone Light Gray 1C
Reflector	One-piece reflector
Radome Color	White
Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±15°
Diameter of mounting pipe (mm)	Φ51 to 114
Ice-load(mm)	25.4
Operational Temperature (℃)	-45 to +60

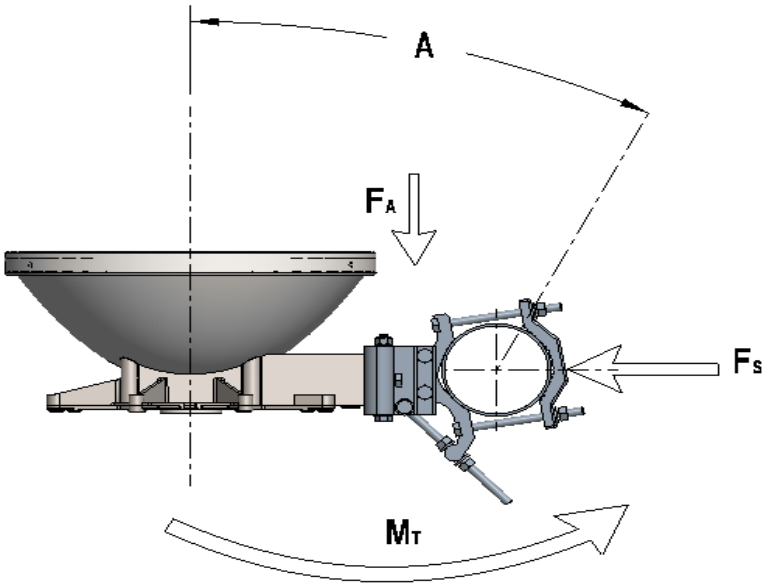
Product Specifications

Wind Forces At Wind Velocity Survival Rating

Wind Velocity Survival Rating, km/h	250
Wind Velocity Operational, km/h	200
Axial Force (N)	1260
Side Force (N)	620
Twisting Moment (N·m)	395

※ The diameter of the mounting pipe is 114mm when testing

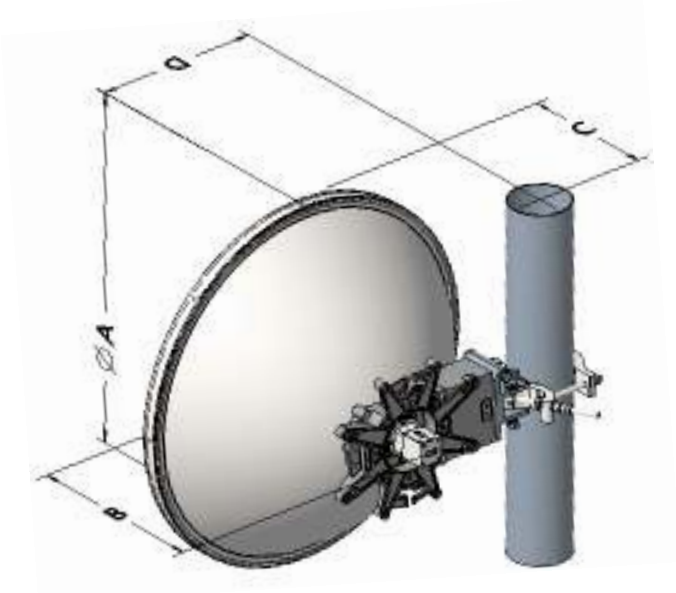
Wind Forces At Wind Velocity Survival Rating Image



Packed Dimensions

Gross Weight,Packed Antenna (kg)	8.7 ± 1
Net Weight,Only Antenna (kg)	6.8 ± 1
L × W× H (mm × mm × mm)	790 × 600 × 345

Antenna Dimensions



Dimensions in mm	
Antenna size,ft(m)	2(0.6)
A	667
B	352
C	261
D	314

Product Specifications

Note

Gain	There may be an error in testing the gain in different test fields. The error should be less than 0.5dB.
Radiation Pattern Envelope Reference (RPE)	RPE of antenna is generated with the stated gain, so there will be a deviation of RPE when the gain is deviated. Theoretically, the pattern deviation dose not exceed 0.5dB.
Front-to-Back Ratio	Indicates the highest backward radiation, relative to the main lobe, in the range of 180° ± 40°.Production antennas do not exceed rated values by more than 2dB unless stated otherwise.
Cross Polarization Discrimination (XPD)	The stated 30dB antenna XPD is tested in professional test field. Both antennas have 30dB XPD in a link, but the detected link XPD may fall back to the worst 24dB.

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