

P021002030M16A7

Low Band 2-Port Antenna

790~960MHz

33° Horizontal Beam Width

Connector			R1 Connector 1-2	
Frequency Band		MHz	790-894	880-960
Polarization			±45°	
Gain	At mid Tilt	dBi	20.0	20.4
	Over all Tilts	dBi	19.9±0.6	20.3±0.5
VSWR			1.5	
Return Loss		dB	14	
Cross Polar Isolation		dB	27	
Passive Intermodulation,2 x 43dBm Carrier		dBc	-150	
Max. Effective Power per Port		W	300	
Impedance		Ω	50	
Horizontal Pattern				
Azimuth Beamwidth		°	34±3	32±3
Front to Back Ratio, Copolar, ±30°		dB	30	
Cross Polar Discrimination at Boresight		dB	18	
Vertical Pattern				
Elevation Beamwidth		°	7.4±0.7	6.7±0.6
Electrical Downtilt continuously adjustable		°	0-10	
First Upper Sidelobe Suppression		dB	≥17	

Values based on NGMN-P-BASTA requirement

Connector	Quantity	EA	2 x 7-16 DIN Female
	Location		Bottom
Dimensions	Antenna	mm	520/170/2690
	Antenna	Kg	27
Weight	Clamp	Kg	2.8
	Packing	Kg	41
Radome	Material		ASA
	Color		Gray
Wind Load (at 150km/h wind velocity)	Frontal	N	1820.8
	Lateral	N	595.3
	Rear	N	1820.8
Max. Wind Velocity		Km/h	216
Operational Temperature		°C	-40~70
Adjustment Mechanism			Manual(MET)
Mast Diameter Supported		mm	40~115

R1

