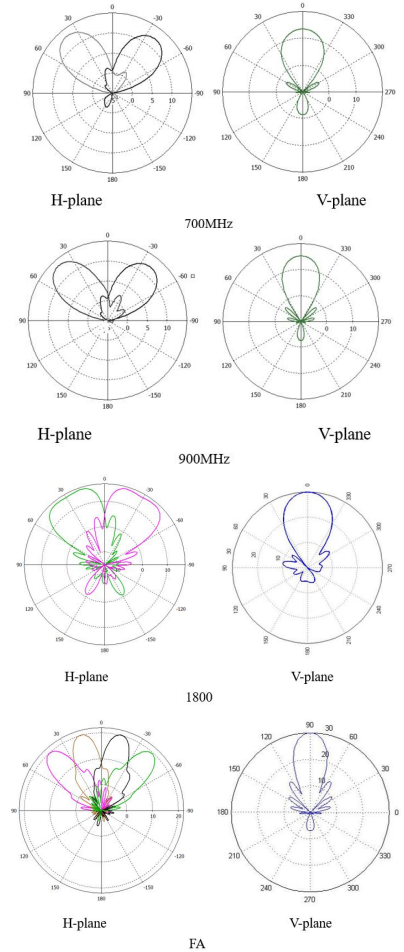


# Multiple Band Lens Antenna

703-798/885-960/1710-1830/2515-2690 MHz (Multi-frequency and large-capacity scenarios)

## Electrical Specifications

Product Name	<b>Multiple Band Lens Antenna</b>
Model	EHS1LB063A
Frequency (MHz)	703-798/885-960/1710-1830/1880-2025
Number of Port	4/4/2*4 core bundle
Gain (dBi)	12±1/13±1/16±1/19±1
Number of Beam	10
Horizontal Beam Pointing(°)	±33°/±35°/±25°/ -38°/-14°/14°/38°
Horizontal3dB Beam width (°)	40±3/35±3/38±5/15±1
Horizontal10dB Beam width (°)	70±5/70±5/55±3/27±2
Vertical 3dB Beam width (°)	43±5/35±3/17±2/15±1
Vertical 10dB Beam width (°)	70±5/70±5/30±3/27±2
Beam Crossing (dB)	-8/-15/-8/-8
Horizontal Coverage(°)	140±5/140±5/110±5/105±5
Sidelobe Suppression	13/15/13/15
Front to Back Ratio (dB)	22/23/25/25
Polarization (°)	±45
Isolation of Polarized Ports (dB)	≥25
Isolation of Beam Ports (dB)	≥20
VSWR	≤1.5
Input Impedance (Ω)	50
Power Rating (W)	12X40+8X20
Intermodulation IM3	≤-150 dBc (2×43dBm)



## Mechanical Specifications

Mechanical Down-Tilt (°)	0~20
Antenna Dimension (mm)	850×645×850
Packaging Dimension (mm)	925×865×1035
Net Weight (Kg)	26
Connector	12*7/16DIN-Female,2*4 core bundle
Mounting Pole Diameter (mm)	40-110
Radome Material	ASA+ABS
Rated Wind Velocity (m/s)	55
Operating Temperature (°C)	-40~+70
Operating Humidity	30%~90%
Lighting Protection	DC Ground



**Schematic diagram of antenna**