









ANT-57D38DP

ANT-57D38DP external parabolic dual-polarization directional antenna with a 38 dBi gain is designed to convert electromagnetic signals of a radio transmitter to electromagnetic wave propagating in space and convert an electromagnetic waves received by the antenna to an electromagnetic oscillation proceeded to the receiver.

The antenna enclosure with has a protection from moisture and dust in accordance to IP66 / IP67 as well as resistance to ultraviolet radiation and wind loads.



Key Features

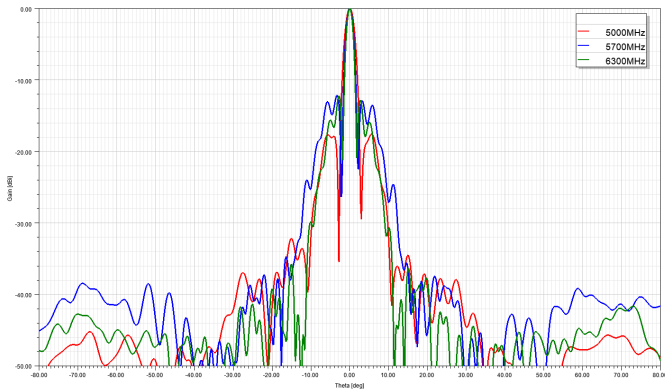
-  Antenna type: outdoor, directional
-  Frequency range: 4900 - 6425 MHz
-  Operating temperature range: from -55°C to +60°C
-  2 N-type connectors
-  Water and Dust Protection: IP66 / IP67
-  Antenna gain: 38 ±1 dBi
-  Antenna pattern width: 2.4°-1.3°
-  Input power: 50 W

Specification

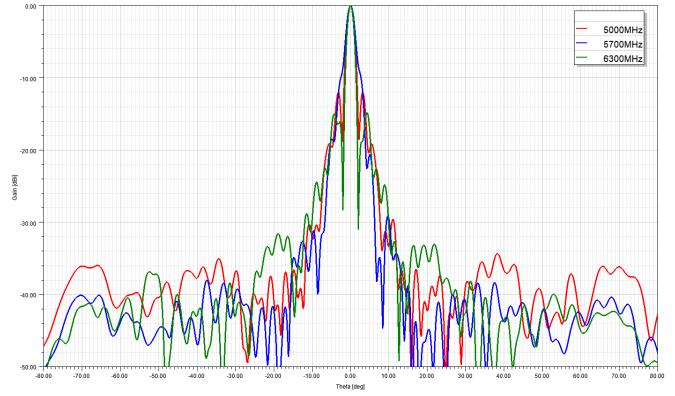
Parameter	Description
Frequency range	4900 - 6425 MHz
Polarization	<ul style="list-style-type: none">• Horizontal (HOR-potr)• Vertical (VER-port)
Antenna gain	38 ±1 dBi
Standing wave ratio	< 2
Beam width 3 dB	1.3° - 2.4°
Front-to-back ratio	-35 dB
Cross polarization	40 dB
Isolation between ports	20 dB (min)
Input power	50 W
Dimensions	<ul style="list-style-type: none">• Antenna assembly with mounting kit: Ø 1856x633 mm• Antenna reflector: Ø 1856x500 mm• Mounting kit: 817x540x218 mm
Weight	<ul style="list-style-type: none">• Antenna assembly up to 31 kg• Mounting kit with alignment mechanism up to 7.4 kg
Connectors	2 x N-type
Operating temperature range	From -55°C to +60°C
Water and Dust Protection	IP66, IP67
Wind load	<ul style="list-style-type: none">• 120 kmh - operational• 160 kmh - survival
Flammability	UI94, Class B
Packing list	<ul style="list-style-type: none">• Reflector (1 pc)• Antenna feeder (1 pc)• Mechanism for precise antenna alignment (1 pc)
Packaging (3 pieces)	<ul style="list-style-type: none">• Lobes - 1000x1000x200 mm, 25 kg;• Feeder - 290x290x610 mm, 3.5 kg;• Mounting kit - 290x290x610 mm, 13 kg.

Radiation pattern

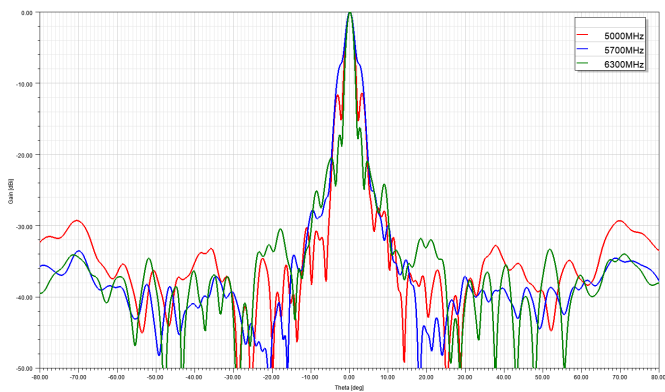
E-plane H-pol



E-plane V-pol



H-plane H-pol



H-plane V-pol

