

Parabolic Antenna, 4950 to 7125 MHz, 30 dBi, 2 x 2 MIMO, 2 foot, RP-SMA, 2 Pack



## CSPD2-6RSP

The Radiowaves CSPD2-6RSP parabolic antenna is designed for point-to-point communications by directing waves to the receiver at its focal point via a parabolic reflector. This antenna has a 30 dBi high gain. Our point to point antenna has a 50 Ohms impedance and is highly directional, which means it receives greater power in a specific direction.

This antenna has a RP-SMA connector that is capable of carrying microwave frequencies used to join coaxial cables. The Radiowaves white parabolic antenna is 2 feet in size and has a less than 2.5:1 VSWR (Voltage Standing Wave Ratio) that results in the best power transfer and reduced losses. Our parabolic antenna operates at a frequency ranging from 4950 to 7125 MHz, providing stability over a wide bandwidth to support gigabit transmissions. This high-performance 30 dBi Wi-Fi 6e antenna is ideal for 4.9/5.1/5.3/5.4/5.8/6 GHz ISM and UNII band, Wi-Fi 6e and Wi-Fi 7, long distance backhaul, and point to point data link applications

The Radiowaves parabolic antenna features dual slant (V/H or  $\pm 45^\circ$ ) polarization, which makes it compatible with any single or dual polarized 2 x 2 mimo radio and eliminates the risk of link strength degradation due to polarization mismatch. It has a 50 W maximum power per port within which it has the ability to perform without damage. This antenna can withstand temperature between  $-40^\circ\text{C}$  to  $70^\circ\text{C}$  ( $-32^\circ\text{F}$  to  $158^\circ\text{F}$ ) and has DC ground lighting protection to protect the system from damage due to lightning strikes.

This Radiowaves parabolic antenna, 4950 to 7125 MHz, 30 dBi, is in stock and ready to ship same-day. Based on your specifications, our expert technical support and highly trained sales team can find the ideal 4950 to 7125 MHz, 30 dBi parabolic antenna.

### General Specifications

Antenna Type	Standard Performance Parabolic Reflector Antenna
Size, nominal	2 ft   0.6 m

Polarization	Dual
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### Electrical Specifications

Operating Frequency Band	4.95 - 7.125 GHz
Half Power Beamwidth, Horizontal	5 degrees
Half Power Beamwidth, Vertical	5 degrees
Front to Back Ratio (F/B)	35 dB

Gain, Low Frequency	29 dBi
Gain, High Frequency	31 dBi
VSWR	2.5:1
Return Loss	-7.4 dB

### Mechanical Specifications

Mounting Pipe Diameter, Min	1.2 inch   3 cm
Mounting Pipe Diameter, Max	3.15 inch   8 cm

Net Weight (Single Antenna)	13.76 lbs   6.24 kg
Operating Temperature Range	-40 to +70 deg. C

### Regulatory Compliance

RoHS-compliant	Yes
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### Shipping Information

Package Type	Cardboard
Antenna Dimensions, L x W x H	26 x 26 x 8.5 in   66 x 66 x 21.6 cm

TECHNICAL DRAWINGS

