



OD5-5900MOD2



OD5 shown with PTA option & connector

Omni-Directional Antenna DSRC, 5850-5925 MHz, High-vibration resistant

- 5 dBi antenna provides uniform omni coverage
- Foam Filled
- Coax pigtail option factory configured for cable length and connectors

The OD Series Antennas are optimized for use in a wide variety of DSRC wireless systems using the 5850-5925 MHz band.

These antennas can be used for Vehicle to Infrastructure in Intelligent Transportation System trials. Their omni-directional coverage makes installation simpler because they are easier to align with other antennas in the wireless network.

The OD5-5900MOD2 radome is foam filled to improve antenna performance in high vibration environments such as in mining applications.

The OD Series are free space antennas; no ground plane is required. This design maintains an omni pattern in the horizontal plane.

An option for the OD series is a coax pigtail termination. The antennas can be directly outfitted with coax cable so no additional jumpers are required. A variety of connectors can be used for the final termination.

The fiberglass radome (1" diameter/25 mm) makes the antennas durable and rugged. They can withstand the harshest environments of snow, wind, rain and ice.

The OD Series Antennas at 5850-5925 MHz are only available with a black radome and are foam filled.

The feed assembly is made of precision machined aluminum components and is irradiated for weather protection.

The OD Series Antennas are supplied with all the hardware needed to install them to a mast. The OD antennas normally terminate with a female N connector.

Custom cable assemblies are available to connect the antenna to the radio or modem.

Model #	Interface
OD5-5900MOD2-BLK	N Jack (Female)
OD5-5900MOD2-BLK-PTA	Pigtail termination with choice of connector
Mounting hardware provided	
Note: Available in Black only	

Specifications

Frequency:	5850-5925 MHz	Termination options:	
Gain:	5 dBi	Direct Connection:	N Jack (Female)
Nominal Impedance:	50 ohms	Coax Pigtail:	RG8 cable, typically 1 ft (90 cm), other lengths available
Max. Power (continuous):	10 Watts	Mounting Kit:	Mast mount kit included
Vertical Beamwidth (elevation):	30 degrees	Mounting Dimensions:	Mounts to mast up to 2.5" (6.3cm)
Wind Survivability:	100 mph (161 kph) minimum with 1/2" (12.7 mm) radial ice	Operating Temp:	-40° to +80° C
Antenna Diameter:	1" (25mm), main mast	Material:	Fiberglass radome with aluminum body
Length/Weight:	12.9 inches (32.7 cm), 2.5 lbs (1.13kg)	Shock & Vibration:	EN 300 019-2-4, IEC 60068
		Water Ingress:	IPx5