



Ultra Wide Band OMNI Directional Antenna CSG-UWBO NV

CSG Marine Application CSG UWBO NV is an Ultra wideband Omni Antenna covering continuously all the bands from 138 MHz upto 6 GHz in a single antenna radome. Perfect matching in all bands with small grounding plane.



PARAMETERS	SPECIFICATIONS		
Frequency Range	Gain	Optimum Ground Plane Size	VSWR
138-174 MHz	3.0 dBi	400 x 400 mm	1.5:1 typ. (3:1 max)
380-450 MHz	4.0 dBi	370 x 370 mm	1.5:1 typ. (2.5:1 max)
406-512 MHz	5.0 dBi	165 x 165 mm	1.5:1 typ. (2.8:1 max)
698-746 MHz	6.0 dBi	165 x 165 mm	1.5:1 typ. (2.5:1 max)
746-806 MHz	7.0 dBi	165 x 165 mm	1.5:1 typ. (2.5:1 max)
806-960 MHz	7.0 dBi	165 x 165 mm	1.7:1 typ. (2.5:1 max)
1200-2700 MHz	8.0 dBi	Not Required	1.3:1 typ. (2.0:1 max)
3300-3800 MHz	10.0 dBi	Not Required	1.3:1 typ. (1.7:1 max)
4100-6000 MHz	11.0 dBi	Not Required	1.5:1 typ. (2.0:1 max)
Polarization	Linear ,Vertical		
Pattern	OMNI Directional		
Input Power, max	50 Watts		
Input Impedance	50 Ohm		
Dimensions (DxH)	40 mm x 560 mm with 165 mm diameter ground plane		
Weight	500 grams		
Connector	N- Female		
Mounting	Suitable to Boat Mount 1" 14 TPI (included in ground plane)		
Radome	UV Protected Plastic		
Operating Temp. Range	-40°C to +70°C		
Vibration	According to IEC 60721-3-4		
Wind Load	200 Km/h (Survival)		
Flammability	UL94		
Water Proofing	IP-67		
Humidity	ETS 300 019-1-4,EN 302 085 (Annex A.1.1)		
Salt Fog	According to IEC 68-2-11		

Ground Plane For....

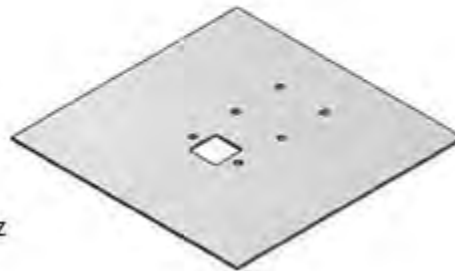
For 138 - 174 MHz



For 380 - 400 MHz



For 406 - 960 MHz



Note: Mounting Hardware and Brackets are supplied with Antenna

WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



380 – 2700 MHz MIMO Panel Antenna CSG 6382708X PFx2

PARAMETERS	SPECIFICATIONS		
Operating Frequency	380-698MHz	698-960MHz	1710-2700MHz
Gain	4.0 dBi	5.0 dBi	8.0 dBi
Azimuth Beam width	80°	140°	40°
Elevation Beam width	80°	95°	50°
VSWR	≤2.5 : 1	≤2.5	≤2.0 : 1
Front to Back ratio	25 dB		
Polarization	Vertical		
Impedance	50 Ω		
Max Power Input	50 Watts		
Connectors	FME Female		
Water Proofing	IP54		
Flammability	UL94HB		
Rated Wind Load	60 m/s		
Operating Temperature	-40°C to +70°C		
Application	Outdoor		
Back Plate	Oxidation processed Aluminium		
Radome Material	PVC		
Radome Color	Grey		
Cable Type	LMR 200 with Black Jacket		
Cable Length	8 Meter		
Dimensions (H X W X D)	627 mm x 284 mm x 91 mm		
Mounting Style	Pole Mount		



Note: Mounting Hardware and Brackets are supplied with Antenna

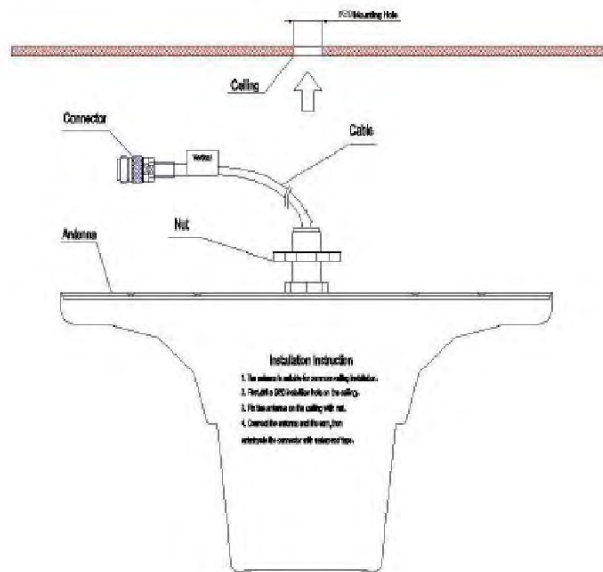
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380-2700 MHz Indoor Ceiling Antenna

CSG 6382706x CMN

PARAMETERS	SPECIFICATIONS		
Frequency Range	380 ~ 698 MHz	698 ~ 960 MHz	1710 ~ 2700 MHz
Gain	2.5±1.5 dBi	3.5±1.5 dBi	6.5±1.5 dBi
VSWR	≤ 2.5 : 1		≤ 1.8 : 1
Vertical Beamwidth	85°	60°	25°
Max. Power	50 Watt		
Impedance	50 Ω		
Polarization	Vertical		
Connector	N (F)		
Operating Temperature	- 40°C to +60°C		
Dimensions(Approx.)	(Φ320 x 175) ±2 mm		
Weight (Approx)	700±2 grams		
Radome color	White		
Mounting way	Nut / Washer		



Note: Mounting Hardware and Brackets are supplied with Antenna

WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT