

5GNR Compact Screw Mount Antenna

5GNR, 4G LTE & 3G

CSM550 Series



The CSM550 is an ultra-compact omni-directional 5GNR antenna that provides excellent coverage for mobile and fixed data applications from 617 MHz to 5.925 MHz. The antenna features an attractive, compact housing which can be used in both indoor and outdoor applications. The CSM550 is fitted with a 11.9mm stud mount incorporating an integrated double-sided foam seal and is IP69 rated.

Key Features:

- Covers all 5G, 4G LTE & 3G cellular bands
- Screw mount with anti-rotation mechanism
- Ground plane independent
- Ultra-compact design: Ø 50 x 50.8 mm
- Weatherproof: IP69



Electrical Specifications

Series	CSM550 Series			
Frequency MHz	617-960	1427-2690	3300-5000	5150-5925
Gain (Peak) dBi	2.9	2.1	0.5	-1.0
VSWR	<2.3:1	<2.1:1	<2.0:1	<1.6:1
Impedance Ω	50			
Polarisation	Linear			
Radiation Pattern	Omni-directional			
Antenna Measurement Conditions:				
<ul style="list-style-type: none">• Mounted on 30 x 30 cm Ground Plane• 100 cm of LL100 Cable• Measured in Certified CTIA 3D Anechoic Chamber				

Mechanical Specifications

Series	CSM550 Series
Mounting	Screw Mount
Dimensions mm	Ø 50 x 50.8
Radome	ASA
Colour	Black
Antenna Base	Zamak
Gasket	Double Sided Foam
Cable & Connector Variants	CSM550-1.5M-FME: 1.5m LL100 FME Female Connector
	CSM550-1.5M-SMA: 1.5m LL100 SMA Male Connector
	CSM550-5M-SMA: 5m LL100 SMA Male Connector
	CSM550-5M-NC: 5m LL100 No Connector
Operating Temperature °C	-40 to +85
Certification	RoHS / IP67 / IP69