

# BC90-XG Series

## LTE 900 MHz Omni Base Station Antenna Series

The BC90-XG series offers high gain antennas for the LTE900 and 5G NR bands, n8, n81 & n100.

- Heavy duty construction
- High power
- No groundplane needed
- All metal parts in the antenna are DC-grounded.

### ELECTRICAL SPECIFICATIONS

Antenna Type	High Gain Broadband Co-linear
Frequency	885 - 955 MHz
Bandwidth	70 MHz
Impedance	50 Ohm
VSWR	< 1.5:1
Polarisation	Vertical
Gain	BC90-6G: 6 dBd, 8.15 dBi BC90-8G: 8 dBd, 10.15 dBi BC90-10G: 20 dBd, 12.15 dBi
Radiation Pattern	Omni Directional (Horizontal)
Half Power Beamwidth	BC90-6G: 14.0° BC90-8G: 10.5° BC90-10G: 7.0°
Max. Input Power	100 Watt
Antistatic Protection	Direct Ground



Datasheet

MECHANICAL SPECIFICATIONS

Color	White and Silver
Length	BC90-6G: 1.8 m BC90-8G: 2.5 m BC90-10G: 3.2 m
Weight	BC90-6G: 2.6 kg BC90-8G: 2.6 kg BC90-10G: 5.0 kg
Mount type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical mast tube; Ø 30 - 60 mm
Materials	Brass, Copper, Fibreglass and Aluminium
Survival Wind Speed	55 m/s
Operating Temperature	-50 °C to +70 °C
Connector	Type N-female
Ingress protection	IP66
Serial no.	On product label

ORDERING INFORMATION

BC90-6G	Individually packing in Carton tube
BC90-8G	Individually packing in Carton tube
BC90-10G	Individually packing in Carton tube

PACKAGING INFORMATION

Type	See "Part No."
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