

# BC80-XG Series

## LTE 850 MHz Omni Base Station Antenna Series

The BC80-XG series offers high gain antennas for the LTE850 and 5GNR bands; n5, n8, n18, n26 & n89.

- 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	824 - 880 MHz
Bandwidth	56 MHz
Impedance	50 Ohm
VSWR	< 1.5:1
Polarisation	Vertical
Gain	BC80-6G: 6 dBd, 8.15 dBi BC80-8G: 8 dBd, 10.15 dBi BC80-10G: 10 dBd, 12.15 dBi
Radiation Pattern	Omni Directional (Horizontal)
Half Power Beamwidth	BC80-6G: 14.0° BC80-8G: 10.5° BC80-10G: 7.0°
Max. Input Power	100 Watt
Antistatic Protection	Direct Ground



Datasheet

MECHANICAL SPECIFICATIONS

Color	White and Silver
Length	BC80-6G: 1.8 m BC80-8G: 2.5 m BC80-10G: 3.2 m
Weight	BC80-6G: 2.6 kg BC80-8G: 2.6 kg BC80-10G: 5.0 kg
Mount type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical mast tube; Ø 35 - 60 mm
Materials	Brass, Copper, Fibreglass and Aluminium
Survival Wind Speed	45 m/s
Operating Temperature	-40 °C to +60 °C
Connector	Type N-female
Ingress protection	IP66
Serial no.	On product label

ORDERING INFORMATION

BC80-6G	Individually packing in Carton tube
BC80-8G	Individually packing in Carton tube
BC80-10G	Individually packing in Carton tube

PACKAGING INFORMATION

Type	See "Part No."
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