

BC0822 Series

Omnidirectional Cellular Antenna Series

Series of multiband antenna combining the cellular/mobile GSM(2G), UMTS(3G) and LTE(4G).

Ideal for IOT and M2M applications.

- Compact and light weight design
- Multiband design

ELECTRICAL SPECIFICATIONS

Frequency	824 - 960 MHz, 1710 - 2170 MHz (LTE 800/1800/1900/2000/2100, UMTS 900/2100, GSM 850/900/1800/1900)
Bandwidth	See "FREQUENCY"
Antenna Type	End-fed 1/2 λ dipole - no groundplane needed
Impedance	50 Ohm
VSWR	<2.0:1
Polarisation	Vertical
Gain	BC0822-1G: 0 dBd, 2.15 dBi BC0822-3G: 3 dBd, 5.15 dBi BC0822-5G: 5 dBd, 7.15 dBi
Radiation Pattern	Omni-Directional
Max. Input Power	BC0822-1G: 10 W BC0822-3G: 100W BC0822-5G: 50 W



Datasheet

2 / 2

MECHANICAL SPECIFICATIONS

Color	White and chrome
Length	BC0822-1G: 290 mm BC0822-3G: 400 mm BC0822-5G: 800 mm
Weight	BC0822-1G: 0.4 kg BC0822-3G: 0.4 kg BC0822-5G: 1.9 kg
Mounting	BC0822-1G: Brackets included (Ø35-40 mm) BC0822-3/5G: Brackets included (Ø40-50 mm)
Mounting Place	On mast or pole
Survival Wind Speed	45 m/s
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Ingress protection	IP65
Serial no.	On product label



ORDERING INFORMATION

BC0822-1G	0 dBd, 2.15 dBi Antenna only - in Box
BC0822-3G	3 dBd, 5.15 dBi Antenna only - in Box
BC0822-5G	5 dBd, 7.15 dBi Antenna only - in Box

PACKAGING INFORMATION

Type	Bulk packing or individually packing in Polybag or Carton tube (See "ORDERING INFORMATION")
------	--