

COLLINEAR ANTENNAS



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Coaxial Base Station Antenna with Heavy-Duty-Fiberglass Radome for the 380-470 MHz Band

BC70-1G is a 0 dBd gain, omnidirectional rod-type base station antenna for the 380-470 MHz Band. **BC70-1G** is designed for mounting on supporting tubes with outer diameter between 27 mm and 50 mm. The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube. The fiberglass tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates. This antenna is used where reliability is of great importance. A long lifetime has been taken into consideration when designing this antenna – sturdy and strong.



specifications

Type	COAXIAL
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ELECTRICAL

Frequency Range	380-470 MHz
Band width	40 MHz
SWR	< 1.2
Gain	0 dBd (2.15 dBi)
Impedance	50 Ω
Max Power	150 W
Polarization	vertical
Antistatic protection	N/A
Connector	N (female)

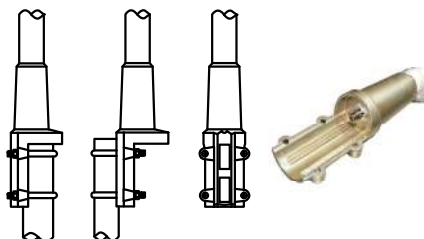
MECHANICAL

Length	0.85 m
Weight	0.8 kg
Mounting	27-40 mm mast tube
Material	Radome: fiberglass Mounting bracket: epoxy-coated aluminum
Wind Load	150 km/h

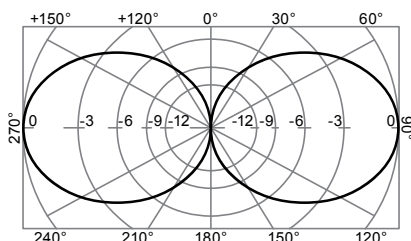
ORDERING DESIGNATIONS

Type	Frequency
BC70-1G/l	380-420 MHz
BC70-1G/m	405-445 MHz
BC70-1G/h	430-470 MHz

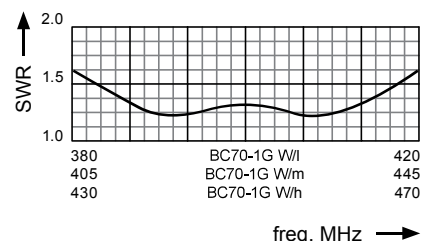
MULTI-PURPOSE MOUNTING BRACKET



RADIATION PATTERN (E-PLANE)



TYPICAL SWR CURVE



Omnidirectional Base Station Antenna with Heavy-Duty-Fiberglass Radome for the 380-470 MHz Band

BC70-3G is a 3 dBd gain, omnidirectional rod-type base station antenna for the 380-470 MHz Band. **BC70-3G** is designed for mounting on supporting tubes with outer diameter between 27 mm and 50 mm. The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube. The fiberglass tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates. The atmospheric discharges are immediately led to ground as all metal parts are DC-connected. Therefore, the antenna shows a DC-short across the coaxial cable. This antenna is used where reliability is of great importance. A long lifetime has been taken into consideration when designing this antenna – sturdy and strong.



specifications

Type	OMNIDIRECTIONAL
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ELECTRICAL

Frequency Range	380-470 MHz
Band width	10 MHz
SWR	< 1.5
Gain	3 dBd (5.15 dBi)
Impedance	50 Ω
Max Power	150 W
Polarization	vertical
Antistatic protection	DC-grounded (Connector shows a DC-short)
Connector	N (female)

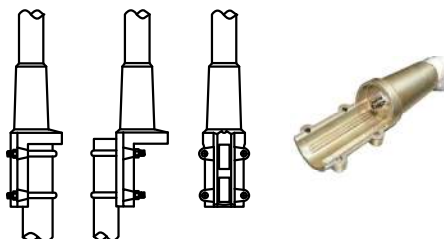
MECHANICAL

Length	2.8 m
Weight	1.6 kg
Mounting	27-40 mm mast tube
Material	Radome: fiberglass Mounting bracket: epoxy-coated aluminum
Wind Load	150 km/h

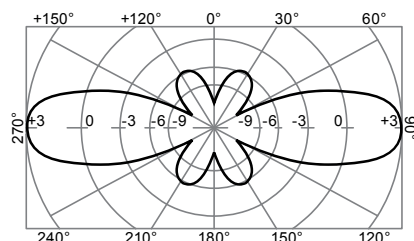
ORDERING DESIGNATIONS

When ordering, please, specify an exact frequency.

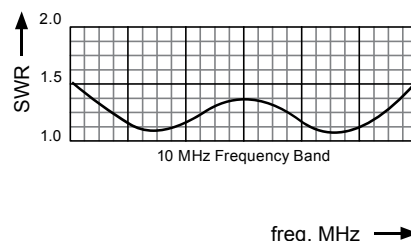
MULTI-PURPOSE MOUNTING BRACKET



RADIATION PATTERN (E-PLANE)



TYPICAL SWR CURVE



*Omnidirectional Base Station Antenna with Heavy-Duty-Fiberglass Radome
for the 380-470 MHz Band*

BC70-5G is a 5 dBd gain, omnidirectional rod-type base station antenna for the 380-470 MHz Band. **BC70-5G** is designed for mounting on supporting tubes with outer diameter between 27 mm and 50 mm. The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube. The fiberglass tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates. The atmospheric discharges are immediately led to ground as all metal parts are DC-connected. Therefore, the antenna shows a DC-short across the coaxial cable. This antenna is used where reliability is of great importance. A long lifetime has been taken into consideration when designing this antenna – sturdy and strong.



specifications

Type	OMNIDIRECTIONAL
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ELECTRICAL

Frequency Range	380-470 MHz
Band width	10 MHz
SWR	< 1.5
Gain	5 dBd (7.15 dBi)
Impedance	50 Ω
Max Power	150 W
Polarization	vertical
Antistatic protection	DC-grounded (Connector shows a DC-short)
Connector	N (female)

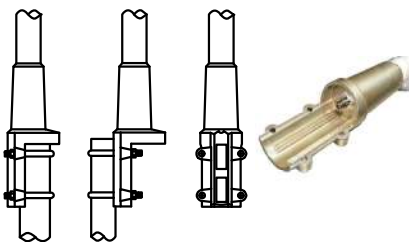
MECHANICAL

Length	3.1 m
Weight	3.0 kg
Mounting	27-40 mm mast tube
Material	Radome: fiberglass Mounting bracket: epoxy-coated aluminum
Wind Load	150 km/h

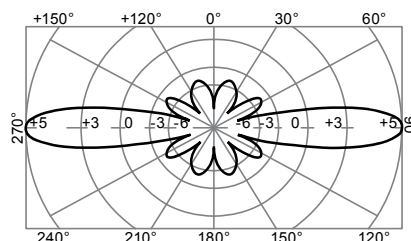
ORDERING DESIGNATIONS

When ordering, please, specify an exact frequency.

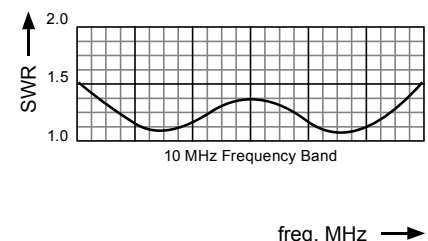
MULTI-PURPOSE MOUNTING BRACKET



RADIATION PATTERN (E-PLANE)



TYPICAL SWR CURVE



*Omnidirectional Base Station Antenna with Heavy-Duty-Fiberglass Radome
for the 380-470 MHz Band*

BC70-7G is a 7 dBd gain, omnidirectional rod-type base station antenna for the 380-470 MHz Band. **BC70-7G** is designed for mounting on supporting tubes with outer diameter between 27 mm and 50 mm. The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube. The fiberglass tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates. The atmospheric discharges are immediately led to ground as all metal parts are DC-connected. Therefore, the antenna shows a DC-short across the coaxial cable. This antenna is used where reliability is of great importance. A long lifetime has been taken into consideration when designing this antenna – sturdy and strong.



specifications

Type	OMNIDIRECTIONAL
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ELECTRICAL

Frequency Range	380-470 MHz
Band width	10 MHz
SWR	< 1.5
Gain	7 dBd (9.15 dBi)
Impedance	50 Ω
Max Power	150 W
Polarization	vertical
Antistatic protection	DC-grounded (Connector shows a DC-short)
Connector	N (female)

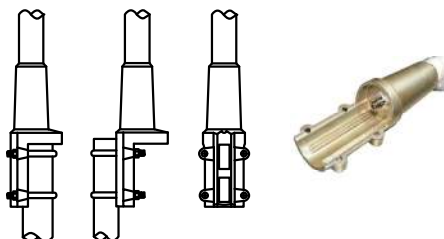
MECHANICAL

Length	4.2 m
Weight	4.1 kg
Mounting	27-40 mm mast tube
Material	Radome: fiberglass Mounting bracket: epoxy-coated aluminum
Wind Load	150 km/h

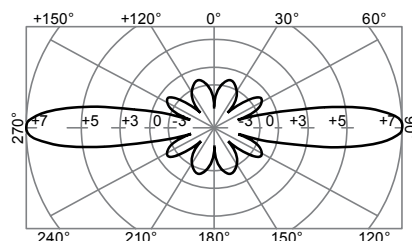
ORDERING DESIGNATIONS

When ordering, please, specify an exact frequency.

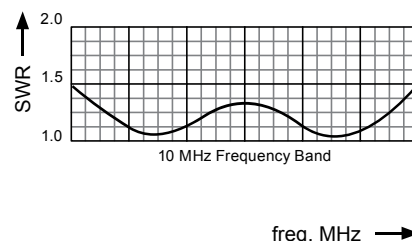
MULTI-PURPOSE MOUNTING BRACKET



RADIATION PATTERN (E-PLANE)



TYPICAL SWR CURVE



450 MHz BASE ANTENNAS 3 dB Gain **LW 304**

UHF Omni-Directional – Integrated Fixed bracket

LW 304

UHF 450 MHz base station antennas with integrated multipurpose mounting bracket comes with a generous bandwidth which reduces the need for multiple antennas both in stock and on installation sites.

Frequency	330 – 512 MHz
Power	250 - 300 Watt (depending on model)
Mounting Type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical or horizontal mast tube (Ø 30 – 60 mm)
Connector	N-female
Ingress protection	IP66
Survival wind speed	55 m/s (200km/h)
Operating temperature	-55C to +70C (IEC 60068-2-1, IEC 60068-2-2)

Model	Frequency (MHz)	Gain dBd (dBi)	Length (mm)	Item no.
LW 304 A	380-400	3 (5,15)	1600	23304-009A
LW 304 B	406-430	3 (5,15)	1500	23304-009B
LW 304 C	410-430	3 (5,15)	1500	23304-009C
LW304 D	417-450	3 (5,15)	1500	23304-009D
LW 304 E	434-450	3 (5,15)	1400	23304-009E
LW 304 F	440-470	3 (5,15)	1400	23304-009F
LW 304 G	467-485	3 (5,15)	1400	23304-009G
LW 304 H	380-475	3 (5,15)	1360	23304-009X

* For X version: Approx. 5 % of the specified Centre Freq (CF)



450 MHz BASE ANTENNAS 5 dB Gain **LW 504**

UHF Omni-Directional – Integrated Fixed bracket

LW 504

UHF 450 MHz base station antennas with integrated multipurpose mounting bracket comes with a generous bandwidth which reduces the need for multiple antennas both in stock and on installation sites.

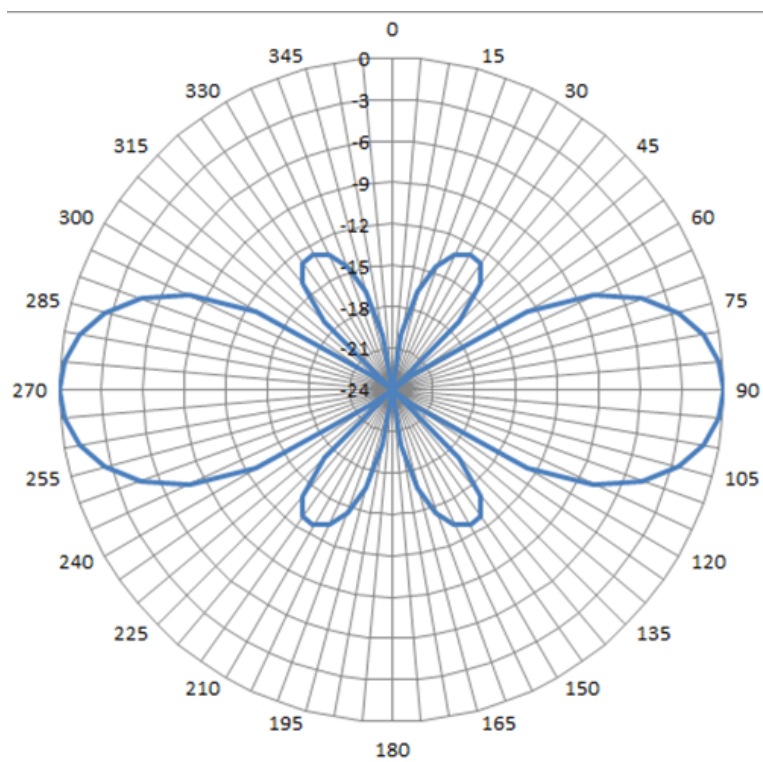
Frequency	330 – 512 MHz
Power	250 - 300 Watt (depending on model)
Mounting Type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical or horizontal mast tube (Ø 30 – 60 mm)
Connector	N-female
Ingress protection	IP66
Survival wind speed	55 m/s (200km/h)
Operating temperature	-55C to +70C (IEC 60068-2-1, IEC 60068-2-2)



Model	Frequency (MHz)	Gain dBd (dBi)	Length (mm)	Item no.
LW 504 A	380-410	5 (7,15)	2250	23504-009B 2
LW 504 B	400-430	5 (7,15)	2250	23504-009C
LW 594C	420-450	5 (7,15)	2250	
LW 504 D	440-470	5 (7,15)	2250	23504-009D

* For X version: Approx. 5 % of the specified Centre Freq (CF)





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