

## Broad-banded, Antistatic Ground-Plane Antenna for the 160 MHz Band

### DESCRIPTION

- > GP 160 B is a broad-banded, 0 dBd, ground-plane antenna of the triple-leg type.
- > The antenna is fully universal as it covers the complete band: 145 - 175 MHz.
- > Atmospheric discharges are immediately led to ground, as all metal parts are DC-grounded. (Consequently, the antenna shows a DC-short across the coaxial cable).
- > GP 160 B is made from corrosion-resistant aluminium, which together with a special anodizing process gives this antenna a very long lifetime.
- > LW-SS-1" mounting bracket and GP Adaptor is available as accessories.

### SPECIFICATIONS

Electrical	
Model	GP 160 B
Frequency	Covering: 145 - 175 MHz
Antenna Type	Ground-plane, broad-banded
Max. Input Power	1000 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 1.6:1
Bandwidth	30 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	0.5 m tail of RG 213 terminated with an N-female connector
Materials	Black anodized, corrosion-resistant aluminium
Colour	Black
Wind Area	0.046 sq. m / 0.50 sq. ft
Wind Load	58 N (160km/h)
Height	720 mm / 28.35 in.
Weight	1.5 kg / 3.31 lb
Mounting	On 38 mm dia. mast tube

Environmental	
Operating Temperature Range	-35°C to +70°C

### ORDERING

Type	Product No.
GP 160 B	100000107
LW-SS-1"	110000394
GP Adaptor	100000679



### DIAGRAM

#### TYPICAL GAIN AND SWR CURVES

