Hochgewinn-Hornantenne BBHA 9120 K

**Beschreibung:**
Die Hornantenne BBHA 9120 K ist eine linear polarisierte Hochgewinnantenne, die speziell für Störfestigkeitsprüfungen in den Radarbändern von 1.2 GHz bis 1.4 GHz bei kurzen Messentfernungen optimiert wurde.

**Description:**
The BBHA 9120 K is a linear polarized high gain horn antenna for immunity testing at short distances, especially optimized for the radar frequency range 1.2 GHz to 1.4 GHz.

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<th>Specifications:</th>
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Gain at 1 m measured from Aperture

Antenna Factor at 1 m measured from Aperture
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<tr>
<td>1650.00</td>
<td>11.01</td>
<td>23.56</td>
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</tbody>
</table>
Fieldstrength at 1 m from Aperture

- Forward Power:
  - 100 W
  - 200 W
  - 250 W
  - 500 W
  - 1 kW
  - 600 V/m

Frequency [MHz]

- 400
- 600
- 800
- 1000
- 1200
- 1400
- 1600

Fieldstrength [dBµV/m]

- 166
- 168
- 170
- 172
- 174
- 176
- 178

VSWR BBHA 9120 K

Frequency [MHz]

- 400
- 600
- 800
- 1000
- 1200
- 1400
- 1600

VSWR

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
### Angle Attenuation E-plane

<table>
<thead>
<tr>
<th>Angle (Degrees)</th>
<th>Transmission S21 (dB)</th>
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<tbody>
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</table>

#### Graphical Representation

- **E-plane**: Graph showing transmission S21 (dB) vs. frequency [MHz].
- **Transmission Levels**: 0 deg - 0dB, 10 deg, 20 deg, 30 deg, 40 deg.
- **Frequency Range**: 900 MHz to 1500 MHz.
Angle Attenuation H-plane

Transmission $S_{21}$ [dB] vs Frequency [MHz]

-90 to 0°
-40 to 0 dB
-35 to 0 dB
-30 to 0 dB
-25 to 0 dB
-20 to 0 dB
-15 to 0 dB
-10 to 0 dB
-5 to 0 dB
0 to 0 dB

Frequency [MHz]
900 1000 1100 1200 1300 1400 1500