

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz

**STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz**



### Technische Daten:

### STLP 9128 D spezial

### Specifications:

#### Bauart:

Linear polarisierte, gestockte  
Logarithmisch Periodische  
Breitbandantenne mit N- oder 7/16-  
Anschluss, Aluminiumausführung für  
Empfangs- und Sendeanwendungen.  
Haupteinsatzzweck: Erzeugung  
hoher Feldstärken bei guter  
Feldhomogenität und beengten  
Platzverhältnissen.

#### Type:

*Linear polarized Stacked Logarithmic  
Periodic Broadband Antenna with N-  
or 7/16-connector for Receive and  
Transmit Applications. Main  
Application: Generation of defined  
fieldstrength levels for immunity  
testing with good field uniformity and  
limited space.*

|                                                       |                                     |
|-------------------------------------------------------|-------------------------------------|
| Frequenzbereich, nominell:                            | 80 MHz...3 GHz                      |
| Nutzbarer Frequenzbereich:                            | 70 MHz ... 4 GHz                    |
| Isotropgewinn:                                        | 9 +/- 3 dBi                         |
| Antennenfaktor:                                       | 2 ... 32 dB/m                       |
| Impedanz, nominell:                                   | 50 $\Omega$                         |
| Stehwellenverhältnis SWR typisch:                     | 1.6 (f < 3 GHz)                     |
| Vor- Rückverhältnis:                                  | 8 - 22 dB                           |
| Polarisationsentkopplung:                             | >30 dB                              |
| 3 dB Öffnungswinkel typ.(E-Ebene):                    | 60°-75°                             |
| 3 dB Öffnungswinkel typ.(H-Ebene):                    | 50°-65°                             |
| Max. Eingangsleistung (N-Buchse):                     | 1.5 kW (intermitt.)<br>1 kW (cont.) |
| Max. Eingangsleistung<br>(7/16-Buchse):               | 3 kW (intermitt.)<br>2 kW (cont.)   |
| Halterungsrohr:                                       | d = 22 mm                           |
| Breite x Länge x Höhe<br>bei vertikaler Polarisation: | 1480 x 1480 x 1340 mm               |
| Gewicht:                                              | 8.1 kg                              |

#### Nominal frequency range:

#### Usable frequency range:

#### Isotropic gain:

#### Antenna factor:

#### Nominal impedance:

#### Standing Wave Ratio SWR typical:

#### Front to Back Ratio:

#### Cross polarisation:

#### 3 dB beam width typ. (E-Plane):

#### 3 dB beam width typ. (H-Plane):

#### Max. input power (N-Connector):

#### Max. input power (7/16-Connector):

#### Mounting tube:

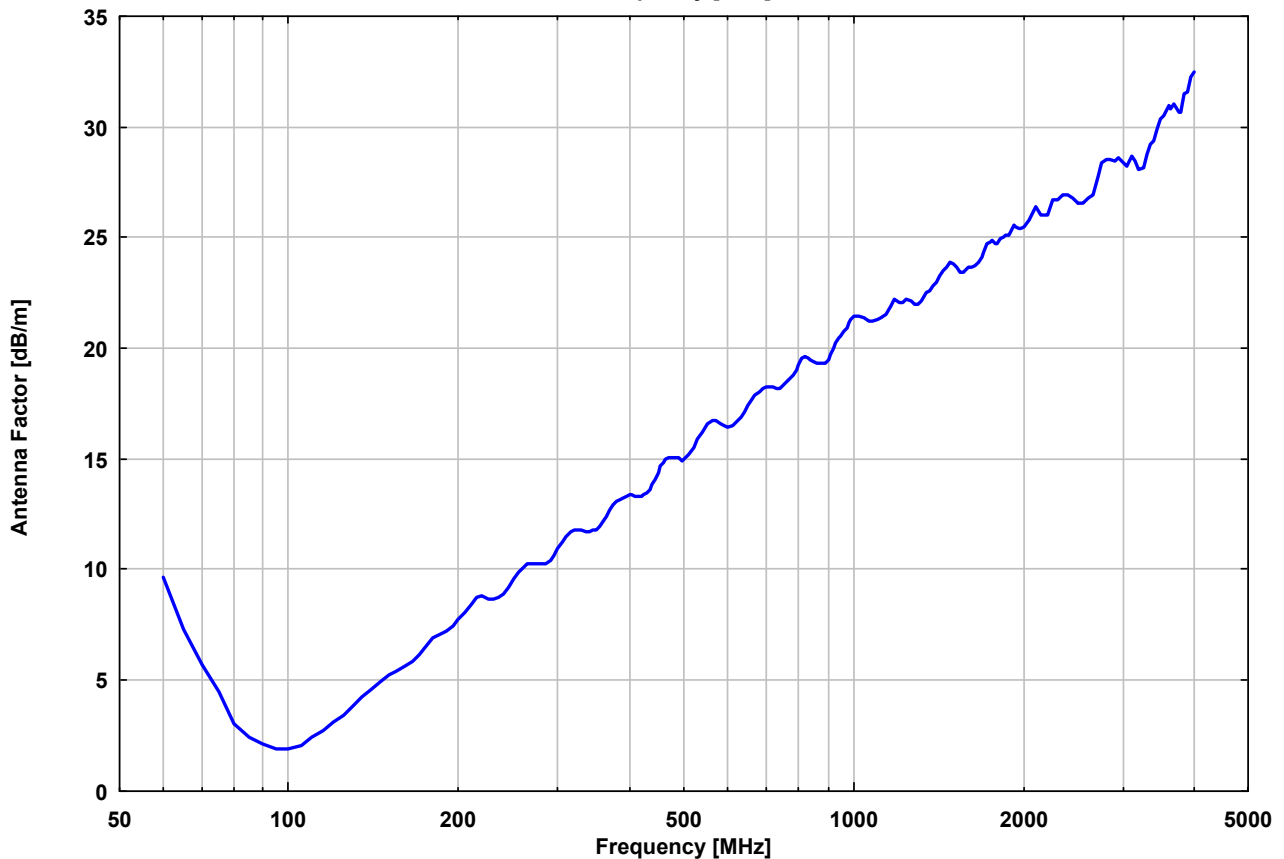
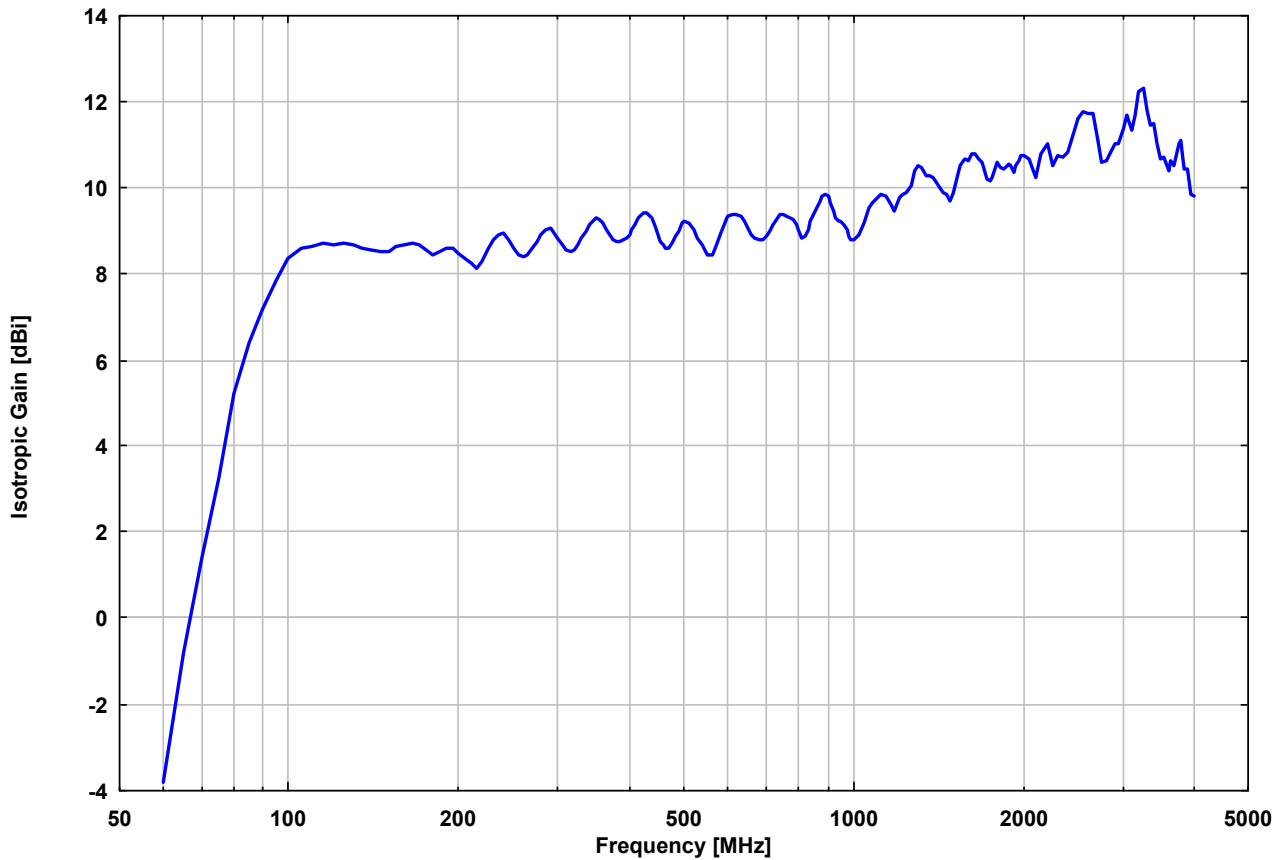
*Width x length x height while set up in  
vertical polarisation:*

#### Weight:

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**STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz**  
***STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz***



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## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

| Frequency<br>Frequenz | Distance<br>Abstand | Wavelength<br>Wellen-<br>länge | Attenuation<br>Dämpfung | Gain(Isotr.)<br>Isotrop-<br>gewinn | Ant.-Factor<br>Ant.-Wand-<br>lungsmaß |
|-----------------------|---------------------|--------------------------------|-------------------------|------------------------------------|---------------------------------------|
| MHz                   | m                   | m                              | dB                      | dBi                                | dB/m                                  |
| 60.00                 | 4.40                | 5.00                           | 28.51                   | -3.82                              | 9.60                                  |
| 65.00                 | 4.40                | 4.62                           | 23.17                   | -0.80                              | 7.28                                  |
| 70.00                 | 4.40                | 4.29                           | 19.35                   | 1.43                               | 5.69                                  |
| 75.00                 | 4.40                | 4.00                           | 16.25                   | 3.28                               | 4.44                                  |
| 80.00                 | 4.22                | 3.75                           | 12.54                   | 5.24                               | 3.04                                  |
| 85.00                 | 4.07                | 3.53                           | 10.38                   | 6.42                               | 2.39                                  |
| 90.00                 | 3.93                | 3.33                           | 9.01                    | 7.20                               | 2.10                                  |
| 95.00                 | 3.80                | 3.16                           | 7.84                    | 7.88                               | 1.89                                  |
| 100.00                | 3.69                | 3.00                           | 7.05                    | 8.37                               | 1.85                                  |
| 105.00                | 3.59                | 2.86                           | 6.81                    | 8.58                               | 2.06                                  |
| 110.00                | 3.50                | 2.73                           | 6.87                    | 8.64                               | 2.41                                  |
| 115.00                | 3.41                | 2.61                           | 6.92                    | 8.70                               | 2.73                                  |
| 120.00                | 3.34                | 2.50                           | 7.11                    | 8.69                               | 3.11                                  |
| 125.00                | 3.27                | 2.40                           | 7.18                    | 8.74                               | 3.42                                  |
| 130.00                | 3.20                | 2.31                           | 7.47                    | 8.68                               | 3.82                                  |
| 135.00                | 3.14                | 2.22                           | 7.75                    | 8.62                               | 4.21                                  |
| 140.00                | 3.08                | 2.14                           | 8.01                    | 8.57                               | 4.57                                  |
| 145.00                | 3.03                | 2.07                           | 8.23                    | 8.54                               | 4.91                                  |
| 150.00                | 2.98                | 2.00                           | 8.38                    | 8.54                               | 5.20                                  |
| 155.00                | 2.94                | 1.94                           | 8.35                    | 8.63                               | 5.40                                  |
| 160.00                | 2.90                | 1.88                           | 8.38                    | 8.69                               | 5.61                                  |
| 165.00                | 2.86                | 1.82                           | 8.48                    | 8.71                               | 5.86                                  |
| 170.00                | 2.82                | 1.76                           | 8.69                    | 8.68                               | 6.15                                  |
| 175.00                | 2.78                | 1.71                           | 9.05                    | 8.57                               | 6.51                                  |
| 180.00                | 2.75                | 1.67                           | 9.41                    | 8.46                               | 6.87                                  |
| 185.00                | 2.72                | 1.62                           | 9.42                    | 8.52                               | 7.04                                  |
| 190.00                | 2.69                | 1.58                           | 9.36                    | 8.62                               | 7.18                                  |
| 195.00                | 2.66                | 1.54                           | 9.53                    | 8.60                               | 7.42                                  |
| 200.00                | 2.63                | 1.50                           | 9.90                    | 8.48                               | 7.76                                  |
| 205.00                | 2.60                | 1.46                           | 10.23                   | 8.38                               | 8.08                                  |
| 210.00                | 2.58                | 1.43                           | 10.64                   | 8.24                               | 8.42                                  |
| 215.00                | 2.56                | 1.40                           | 10.96                   | 8.14                               | 8.73                                  |
| 220.00                | 2.53                | 1.36                           | 10.76                   | 8.30                               | 8.77                                  |
| 225.00                | 2.51                | 1.33                           | 10.30                   | 8.59                               | 8.67                                  |
| 230.00                | 2.49                | 1.30                           | 9.96                    | 8.82                               | 8.63                                  |
| 235.00                | 2.47                | 1.28                           | 9.86                    | 8.93                               | 8.71                                  |
| 240.00                | 2.45                | 1.25                           | 9.96                    | 8.94                               | 8.88                                  |
| 245.00                | 2.43                | 1.22                           | 10.33                   | 8.81                               | 9.19                                  |
| 250.00                | 2.42                | 1.20                           | 10.89                   | 8.59                               | 9.59                                  |
| 255.00                | 2.40                | 1.18                           | 11.30                   | 8.44                               | 9.91                                  |
| 260.00                | 2.38                | 1.15                           | 11.51                   | 8.39                               | 10.13                                 |
| 265.00                | 2.37                | 1.13                           | 11.52                   | 8.44                               | 10.24                                 |
| 270.00                | 2.35                | 1.11                           | 11.35                   | 8.58                               | 10.27                                 |
| 275.00                | 2.34                | 1.09                           | 11.07                   | 8.77                               | 10.24                                 |
| 280.00                | 2.33                | 1.07                           | 10.86                   | 8.93                               | 10.23                                 |
| 285.00                | 2.31                | 1.05                           | 10.74                   | 9.04                               | 10.28                                 |
| 290.00                | 2.30                | 1.03                           | 10.80                   | 9.06                               | 10.41                                 |
| 295.00                | 2.29                | 1.02                           | 11.09                   | 8.97                               | 10.65                                 |
| 300.00                | 2.28                | 1.00                           | 11.47                   | 8.83                               | 10.93                                 |
| 305.00                | 2.26                | 0.98                           | 11.91                   | 8.66                               | 11.25                                 |

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## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz

### STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Ant.-Factor        |
|-----------|----------|-------------|-------------|----------------|--------------------|
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Ant.-Wand-lungsmaß |
| MHz       | m        | m           | dB          | dBi            | dB/m               |
| 310.00    | 2.25     | 0.97        | 12.22       | 8.55           | 11.50              |
| 315.00    | 2.24     | 0.95        | 12.42       | 8.50           | 11.69              |
| 320.00    | 2.23     | 0.94        | 12.40       | 8.56           | 11.76              |
| 325.00    | 2.22     | 0.92        | 12.25       | 8.68           | 11.78              |
| 330.00    | 2.21     | 0.91        | 12.05       | 8.83           | 11.76              |
| 335.00    | 2.20     | 0.90        | 11.84       | 8.98           | 11.74              |
| 340.00    | 2.19     | 0.88        | 11.61       | 9.14           | 11.71              |
| 345.00    | 2.18     | 0.87        | 11.52       | 9.23           | 11.75              |
| 350.00    | 2.17     | 0.86        | 11.49       | 9.29           | 11.81              |
| 355.00    | 2.17     | 0.85        | 11.60       | 9.28           | 11.94              |
| 360.00    | 2.16     | 0.83        | 11.87       | 9.19           | 12.16              |
| 365.00    | 2.15     | 0.82        | 12.25       | 9.04           | 12.43              |
| 370.00    | 2.14     | 0.81        | 12.60       | 8.91           | 12.67              |
| 375.00    | 2.13     | 0.80        | 12.89       | 8.81           | 12.89              |
| 380.00    | 2.13     | 0.79        | 13.05       | 8.77           | 13.05              |
| 385.00    | 2.12     | 0.78        | 13.13       | 8.77           | 13.16              |
| 390.00    | 2.11     | 0.77        | 13.20       | 8.78           | 13.26              |
| 395.00    | 2.11     | 0.76        | 13.16       | 8.84           | 13.31              |
| 400.00    | 2.10     | 0.75        | 13.12       | 8.90           | 13.36              |
| 405.00    | 2.09     | 0.74        | 12.96       | 9.02           | 13.35              |
| 410.00    | 2.09     | 0.73        | 12.74       | 9.17           | 13.31              |
| 415.00    | 2.08     | 0.72        | 12.56       | 9.30           | 13.28              |
| 420.00    | 2.07     | 0.71        | 12.46       | 9.39           | 13.29              |
| 425.00    | 2.07     | 0.71        | 12.46       | 9.43           | 13.36              |
| 430.00    | 2.06     | 0.70        | 12.58       | 9.41           | 13.48              |
| 435.00    | 2.06     | 0.69        | 12.77       | 9.35           | 13.64              |
| 440.00    | 2.05     | 0.68        | 12.97       | 9.29           | 13.80              |
| 445.00    | 2.04     | 0.67        | 13.38       | 9.12           | 14.07              |
| 450.00    | 2.04     | 0.67        | 13.92       | 8.89           | 14.39              |
| 455.00    | 2.03     | 0.66        | 14.27       | 8.75           | 14.63              |
| 460.00    | 2.03     | 0.65        | 14.52       | 8.66           | 14.82              |
| 465.00    | 2.02     | 0.65        | 14.76       | 8.58           | 14.99              |
| 470.00    | 2.02     | 0.64        | 14.83       | 8.58           | 15.08              |
| 475.00    | 2.01     | 0.63        | 14.60       | 8.73           | 15.02              |
| 480.00    | 2.01     | 0.63        | 14.49       | 8.82           | 15.02              |
| 485.00    | 2.01     | 0.62        | 14.44       | 8.88           | 15.05              |
| 490.00    | 2.00     | 0.61        | 14.27       | 9.00           | 15.02              |
| 495.00    | 2.00     | 0.61        | 13.96       | 9.19           | 14.92              |
| 500.00    | 1.99     | 0.60        | 13.93       | 9.24           | 14.96              |
| 510.00    | 1.98     | 0.59        | 14.16       | 9.19           | 15.18              |
| 520.00    | 1.98     | 0.58        | 14.66       | 9.01           | 15.53              |
| 530.00    | 1.97     | 0.57        | 15.11       | 8.85           | 15.86              |
| 540.00    | 1.96     | 0.56        | 15.56       | 8.69           | 16.18              |
| 550.00    | 1.95     | 0.55        | 16.19       | 8.44           | 16.59              |
| 560.00    | 1.95     | 0.54        | 16.31       | 8.44           | 16.74              |
| 570.00    | 1.94     | 0.53        | 16.04       | 8.64           | 16.70              |
| 580.00    | 1.93     | 0.52        | 15.56       | 8.94           | 16.55              |
| 590.00    | 1.93     | 0.51        | 15.22       | 9.17           | 16.47              |
| 600.00    | 1.92     | 0.50        | 14.98       | 9.35           | 16.43              |
| 610.00    | 1.92     | 0.49        | 15.02       | 9.39           | 16.54              |
| 620.00    | 1.91     | 0.48        | 15.11       | 9.40           | 16.67              |

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## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz

### STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Ant.-Factor        |
|-----------|----------|-------------|-------------|----------------|--------------------|
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Ant.-Wand-lungsmaß |
| MHz       | m        | m           | dB          | dBi            | dB/m               |
| 630.00    | 1.90     | 0.48        | 15.35       | 9.34           | 16.87              |
| 640.00    | 1.90     | 0.47        | 15.64       | 9.25           | 17.09              |
| 650.00    | 1.89     | 0.46        | 16.09       | 9.08           | 17.40              |
| 660.00    | 1.89     | 0.45        | 16.50       | 8.93           | 17.68              |
| 670.00    | 1.88     | 0.45        | 16.81       | 8.83           | 17.91              |
| 680.00    | 1.88     | 0.44        | 16.93       | 8.82           | 18.05              |
| 690.00    | 1.88     | 0.43        | 17.04       | 8.82           | 18.18              |
| 700.00    | 1.87     | 0.43        | 17.01       | 8.89           | 18.23              |
| 710.00    | 1.87     | 0.42        | 16.91       | 8.99           | 18.26              |
| 720.00    | 1.86     | 0.42        | 16.73       | 9.13           | 18.24              |
| 730.00    | 1.86     | 0.41        | 16.55       | 9.27           | 18.22              |
| 740.00    | 1.85     | 0.41        | 16.43       | 9.38           | 18.22              |
| 750.00    | 1.85     | 0.40        | 16.49       | 9.40           | 18.32              |
| 760.00    | 1.85     | 0.39        | 16.69       | 9.35           | 18.49              |
| 770.00    | 1.84     | 0.39        | 16.86       | 9.31           | 18.64              |
| 780.00    | 1.84     | 0.38        | 17.04       | 9.27           | 18.79              |
| 790.00    | 1.84     | 0.38        | 17.33       | 9.17           | 19.00              |
| 800.00    | 1.83     | 0.38        | 17.75       | 9.01           | 19.27              |
| 810.00    | 1.83     | 0.37        | 18.16       | 8.85           | 19.54              |
| 820.00    | 1.83     | 0.37        | 18.21       | 8.87           | 19.63              |
| 830.00    | 1.82     | 0.36        | 18.02       | 9.01           | 19.59              |
| 840.00    | 1.82     | 0.36        | 17.71       | 9.21           | 19.50              |
| 850.00    | 1.82     | 0.35        | 17.42       | 9.40           | 19.41              |
| 860.00    | 1.81     | 0.35        | 17.19       | 9.56           | 19.35              |
| 870.00    | 1.81     | 0.34        | 16.97       | 9.71           | 19.30              |
| 880.00    | 1.81     | 0.34        | 16.84       | 9.82           | 19.29              |
| 890.00    | 1.81     | 0.34        | 16.85       | 9.86           | 19.35              |
| 900.00    | 1.80     | 0.33        | 17.03       | 9.81           | 19.49              |
| 910.00    | 1.80     | 0.33        | 17.41       | 9.66           | 19.74              |
| 920.00    | 1.80     | 0.33        | 17.88       | 9.47           | 20.03              |
| 930.00    | 1.80     | 0.32        | 18.26       | 9.32           | 20.27              |
| 940.00    | 1.79     | 0.32        | 18.52       | 9.23           | 20.45              |
| 950.00    | 1.79     | 0.32        | 18.64       | 9.21           | 20.56              |
| 960.00    | 1.79     | 0.31        | 18.88       | 9.13           | 20.74              |
| 970.00    | 1.79     | 0.31        | 19.16       | 9.03           | 20.93              |
| 980.00    | 1.78     | 0.31        | 19.56       | 8.87           | 21.17              |
| 990.00    | 1.78     | 0.30        | 19.77       | 8.80           | 21.33              |
| 1000.00   | 1.78     | 0.30        | 19.87       | 8.79           | 21.43              |
| 1020.00   | 1.78     | 0.29        | 19.76       | 8.92           | 21.47              |
| 1040.00   | 1.77     | 0.29        | 19.39       | 9.18           | 21.38              |
| 1060.00   | 1.77     | 0.28        | 18.82       | 9.54           | 21.19              |
| 1080.00   | 1.76     | 0.28        | 18.68       | 9.68           | 21.21              |
| 1100.00   | 1.76     | 0.27        | 18.64       | 9.77           | 21.28              |
| 1120.00   | 1.76     | 0.27        | 18.62       | 9.85           | 21.35              |
| 1140.00   | 1.75     | 0.26        | 18.80       | 9.83           | 21.53              |
| 1160.00   | 1.75     | 0.26        | 19.38       | 9.61           | 21.90              |
| 1180.00   | 1.75     | 0.25        | 19.81       | 9.46           | 22.20              |
| 1200.00   | 1.74     | 0.25        | 19.32       | 9.77           | 22.03              |
| 1220.00   | 1.74     | 0.25        | 19.27       | 9.86           | 22.09              |
| 1240.00   | 1.74     | 0.24        | 19.36       | 9.88           | 22.21              |
| 1260.00   | 1.74     | 0.24        | 19.12       | 10.06          | 22.17              |

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### STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Ant.-Factor        |
|-----------|----------|-------------|-------------|----------------|--------------------|
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Ant.-Wand-lungsmaß |
| MHz       | m        | m           | dB          | dBi            | dB/m               |
| 1280.00   | 1.73     | 0.23        | 18.52       | 10.42          | 21.94              |
| 1300.00   | 1.73     | 0.23        | 18.43       | 10.53          | 21.97              |
| 1320.00   | 1.73     | 0.23        | 18.67       | 10.47          | 22.16              |
| 1340.00   | 1.73     | 0.22        | 19.17       | 10.28          | 22.48              |
| 1360.00   | 1.72     | 0.22        | 19.26       | 10.29          | 22.60              |
| 1380.00   | 1.72     | 0.22        | 19.48       | 10.24          | 22.78              |
| 1400.00   | 1.72     | 0.21        | 19.81       | 10.13          | 23.01              |
| 1420.00   | 1.72     | 0.21        | 20.18       | 10.00          | 23.27              |
| 1440.00   | 1.72     | 0.21        | 20.47       | 9.91           | 23.48              |
| 1460.00   | 1.71     | 0.21        | 20.72       | 9.84           | 23.67              |
| 1480.00   | 1.71     | 0.20        | 21.11       | 9.70           | 23.93              |
| 1500.00   | 1.71     | 0.20        | 20.84       | 9.89           | 23.85              |
| 1520.00   | 1.71     | 0.20        | 20.30       | 10.21          | 23.65              |
| 1540.00   | 1.71     | 0.19        | 19.81       | 10.51          | 23.46              |
| 1560.00   | 1.70     | 0.19        | 19.65       | 10.64          | 23.44              |
| 1580.00   | 1.70     | 0.19        | 19.69       | 10.67          | 23.52              |
| 1600.00   | 1.70     | 0.19        | 19.83       | 10.65          | 23.65              |
| 1620.00   | 1.70     | 0.19        | 19.67       | 10.78          | 23.63              |
| 1640.00   | 1.70     | 0.18        | 19.73       | 10.80          | 23.72              |
| 1660.00   | 1.70     | 0.18        | 20.05       | 10.69          | 23.93              |
| 1680.00   | 1.69     | 0.18        | 20.29       | 10.62          | 24.11              |
| 1700.00   | 1.69     | 0.18        | 20.70       | 10.46          | 24.37              |
| 1720.00   | 1.69     | 0.17        | 21.28       | 10.22          | 24.71              |
| 1740.00   | 1.69     | 0.17        | 21.43       | 10.19          | 24.84              |
| 1760.00   | 1.69     | 0.17        | 21.40       | 10.25          | 24.88              |
| 1780.00   | 1.69     | 0.17        | 21.05       | 10.47          | 24.76              |
| 1800.00   | 1.69     | 0.17        | 20.86       | 10.61          | 24.72              |
| 1820.00   | 1.68     | 0.16        | 21.23       | 10.47          | 24.95              |
| 1840.00   | 1.68     | 0.16        | 21.36       | 10.45          | 25.07              |
| 1860.00   | 1.68     | 0.16        | 21.37       | 10.49          | 25.12              |
| 1880.00   | 1.68     | 0.16        | 21.29       | 10.57          | 25.13              |
| 1900.00   | 1.68     | 0.16        | 21.50       | 10.51          | 25.29              |
| 1920.00   | 1.68     | 0.16        | 21.88       | 10.36          | 25.53              |
| 1940.00   | 1.68     | 0.15        | 21.67       | 10.51          | 25.47              |
| 1960.00   | 1.68     | 0.15        | 21.47       | 10.65          | 25.42              |
| 1980.00   | 1.67     | 0.15        | 21.37       | 10.74          | 25.41              |
| 2000.00   | 1.67     | 0.15        | 21.42       | 10.76          | 25.48              |
| 2050.00   | 1.67     | 0.15        | 21.76       | 10.69          | 25.77              |
| 2100.00   | 1.67     | 0.14        | 22.87       | 10.23          | 26.43              |
| 2150.00   | 1.67     | 0.14        | 21.91       | 10.81          | 26.06              |
| 2200.00   | 1.66     | 0.14        | 21.67       | 11.02          | 26.05              |
| 2250.00   | 1.66     | 0.13        | 22.82       | 10.54          | 26.72              |
| 2300.00   | 1.66     | 0.13        | 22.56       | 10.76          | 26.69              |
| 2350.00   | 1.66     | 0.13        | 22.79       | 10.73          | 26.91              |
| 2400.00   | 1.66     | 0.13        | 22.73       | 10.85          | 26.97              |
| 2450.00   | 1.65     | 0.12        | 22.12       | 11.24          | 26.76              |
| 2500.00   | 1.65     | 0.12        | 21.54       | 11.61          | 26.57              |
| 2550.00   | 1.65     | 0.12        | 21.35       | 11.79          | 26.56              |
| 2600.00   | 1.65     | 0.12        | 21.59       | 11.75          | 26.77              |
| 2650.00   | 1.65     | 0.11        | 21.74       | 11.75          | 26.93              |
| 2700.00   | 1.65     | 0.11        | 23.28       | 11.06          | 27.79              |

# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

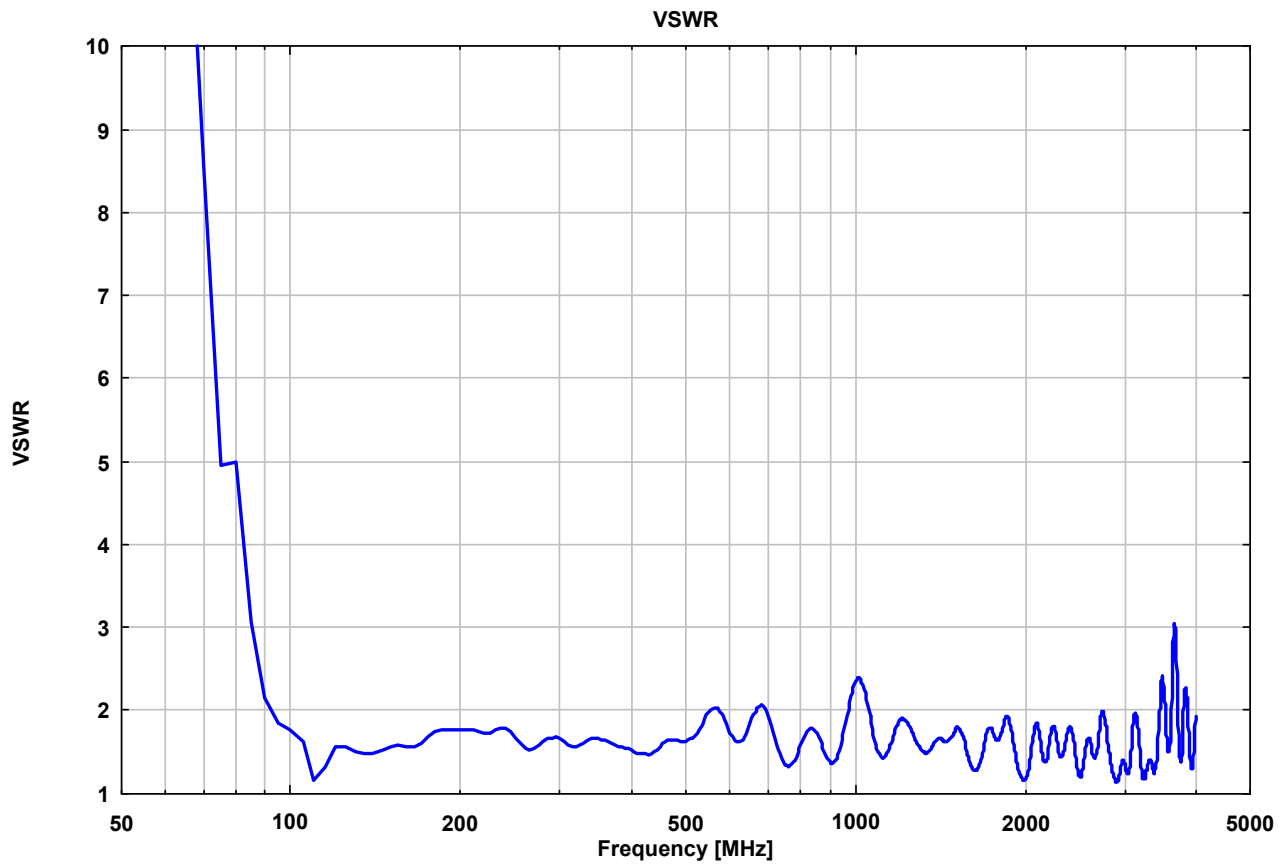
## **STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz** **STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz**

| Frequency | Distance | Wavelength  | Attenuation | Gain(Isotr.)   | Ant.-Factor        |
|-----------|----------|-------------|-------------|----------------|--------------------|
| Frequenz  | Abstand  | Wellenlänge | Dämpfung    | Isotrop-gewinn | Ant.-Wand-lungsmaß |
| MHz       | m        | m           | dB          | dBi            | dB/m               |
| 2750.00   | 1.64     | 0.11        | 24.31       | 10.62          | 28.39              |
| 2800.00   | 1.64     | 0.11        | 24.44       | 10.63          | 28.53              |
| 2850.00   | 1.64     | 0.11        | 24.27       | 10.79          | 28.53              |
| 2900.00   | 1.64     | 0.10        | 23.93       | 11.03          | 28.44              |
| 2950.00   | 1.64     | 0.10        | 24.11       | 11.01          | 28.61              |
| 3000.00   | 1.64     | 0.10        | 23.49       | 11.39          | 28.37              |
| 3050.00   | 1.64     | 0.10        | 23.05       | 11.68          | 28.23              |
| 3100.00   | 1.64     | 0.10        | 23.83       | 11.36          | 28.69              |
| 3150.00   | 1.64     | 0.10        | 23.26       | 11.71          | 28.48              |
| 3200.00   | 1.63     | 0.09        | 22.35       | 12.23          | 28.09              |
| 3250.00   | 1.63     | 0.09        | 22.30       | 12.32          | 28.14              |
| 3300.00   | 1.63     | 0.09        | 23.43       | 11.82          | 28.77              |
| 3350.00   | 1.63     | 0.09        | 24.27       | 11.46          | 29.26              |
| 3400.00   | 1.63     | 0.09        | 24.30       | 11.51          | 29.34              |
| 3450.00   | 1.63     | 0.09        | 25.38       | 11.03          | 29.95              |
| 3500.00   | 1.63     | 0.09        | 26.18       | 10.69          | 30.41              |
| 3550.00   | 1.63     | 0.08        | 26.28       | 10.70          | 30.52              |
| 3600.00   | 1.63     | 0.08        | 27.03       | 10.38          | 30.97              |
| 3650.00   | 1.63     | 0.08        | 26.61       | 10.65          | 30.82              |
| 3700.00   | 1.62     | 0.08        | 26.96       | 10.53          | 31.05              |
| 3750.00   | 1.62     | 0.08        | 26.10       | 11.02          | 30.68              |
| 3800.00   | 1.62     | 0.08        | 26.01       | 11.12          | 30.70              |
| 3850.00   | 1.62     | 0.08        | 27.50       | 10.43          | 31.50              |
| 3900.00   | 1.62     | 0.08        | 27.60       | 10.43          | 31.61              |
| 3950.00   | 1.62     | 0.08        | 28.83       | 9.87           | 32.28              |
| 4000.00   | 1.62     | 0.08        | 29.08       | 9.80           | 32.46              |

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**STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz**  
***STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz***

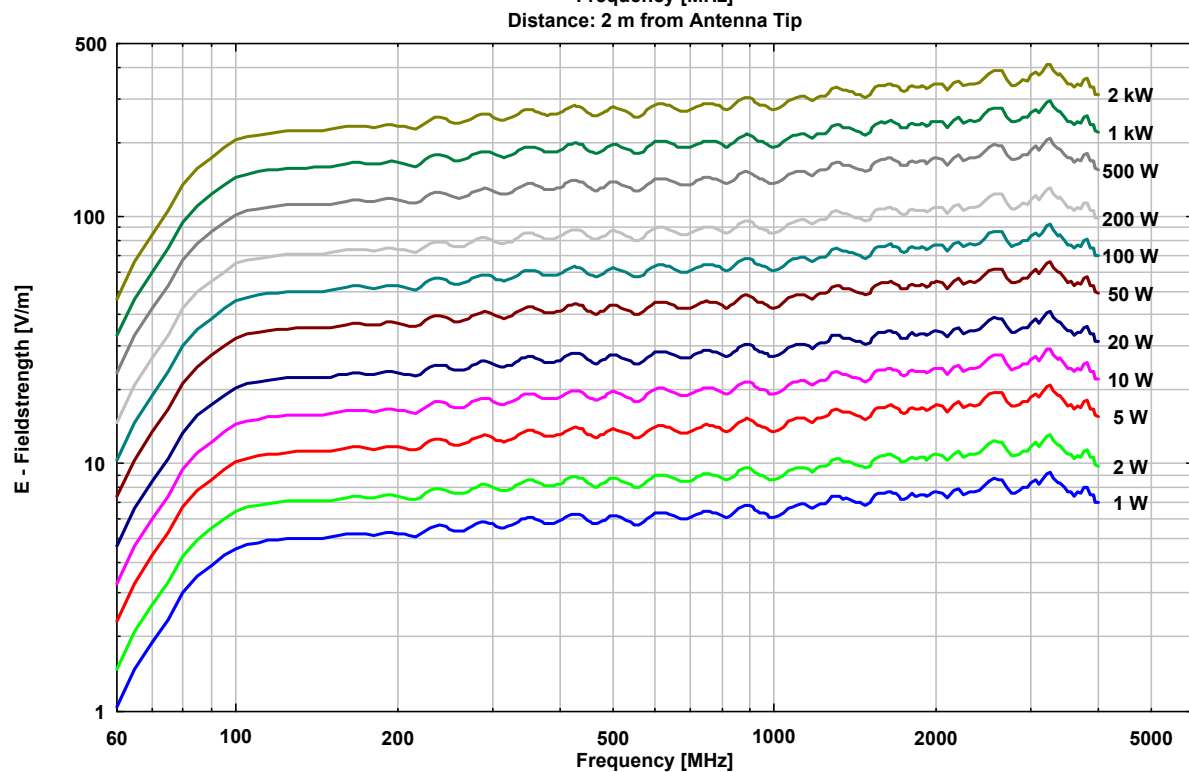
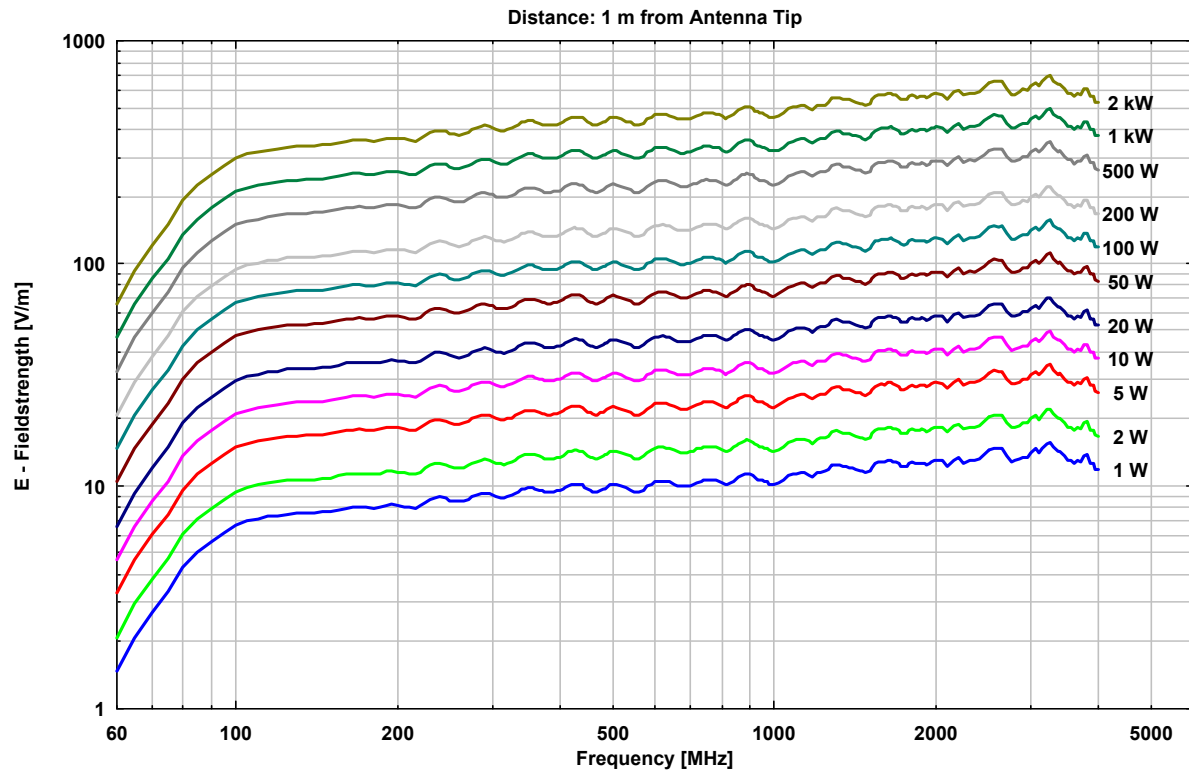


# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

Erzeugte Elektrische Feldstärke vor der Antennenspitze  
unmoduliert, Eingangsleistung an N-Buchse, Reflexionsfreie Umgebung  
*Generated Electrical Fieldstrength in front of Antenna Tip*  
*no modulation, Input Power at N-Connector, Anechoic Environmental Conditions*



# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## STLP 9128 D spezial Gestockte Breitband Log. - Per. Antenne 80 - 3000 MHz STLP 9128 D special Stacked Log. - Per. Antenna 80-3000 (4000) MHz

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