



# SUHNER® PLANAR ANTENNA

## FOR WIRELESS COMMUNICATION

SPA 5800/20/18/0/V

### Technical Data

| Electrical Properties       |                    |
|-----------------------------|--------------------|
| Frequency range             | 5725 - 5825 MHz    |
| Impedance                   | 50 $\Omega$        |
| VSWR                        | 1.3                |
| Polarization                | vertical, linear   |
| Gain                        | 18.5 dBi           |
| 3 dB beamwidth horizontal   | 20°                |
| 3 dB beamwidth vertical     | 20°                |
| Downtilt                    | 0°                 |
| Front to back ratio         | 22 dB              |
| Permitted power on entrance | 50 W (CW) at 25 °C |

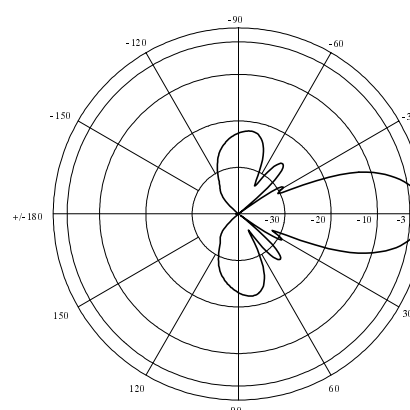
| Mechanical Properties       |                                               |
|-----------------------------|-----------------------------------------------|
| Dimensions                  | 200 x 200 x 42 mm<br>(21.34" x 6.77" x 1.54") |
| Weight                      | 0.5 kg (3.97 lbs.)                            |
| Radome material             | ASA                                           |
| Radome color                | RAL 7035 (light-grey)                         |
| Operating temperature range | - 40° C to + 80° C                            |
| Storage temperature range   | - 40° C to + 80° C                            |
| Windload                    | 57 N at 160km/h (100mph)                      |

| Available Types |            |
|-----------------|------------|
| 1358.19.0004    | SMA female |
| 1358.26.0004    | TNC female |

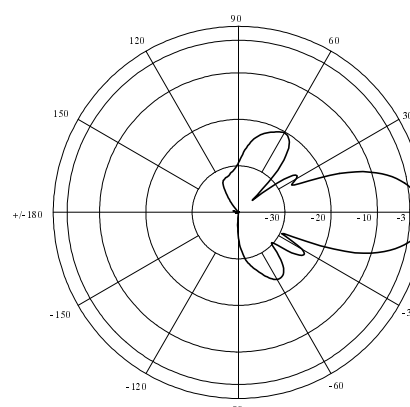
| Mounting Hardware                                                                               |  |
|-------------------------------------------------------------------------------------------------|--|
| Mast and wall mounting material (1 metal band) included, mast diameter 45-90 mm (1.77" - 3.54") |  |



### Radiation Pattern



horizontal

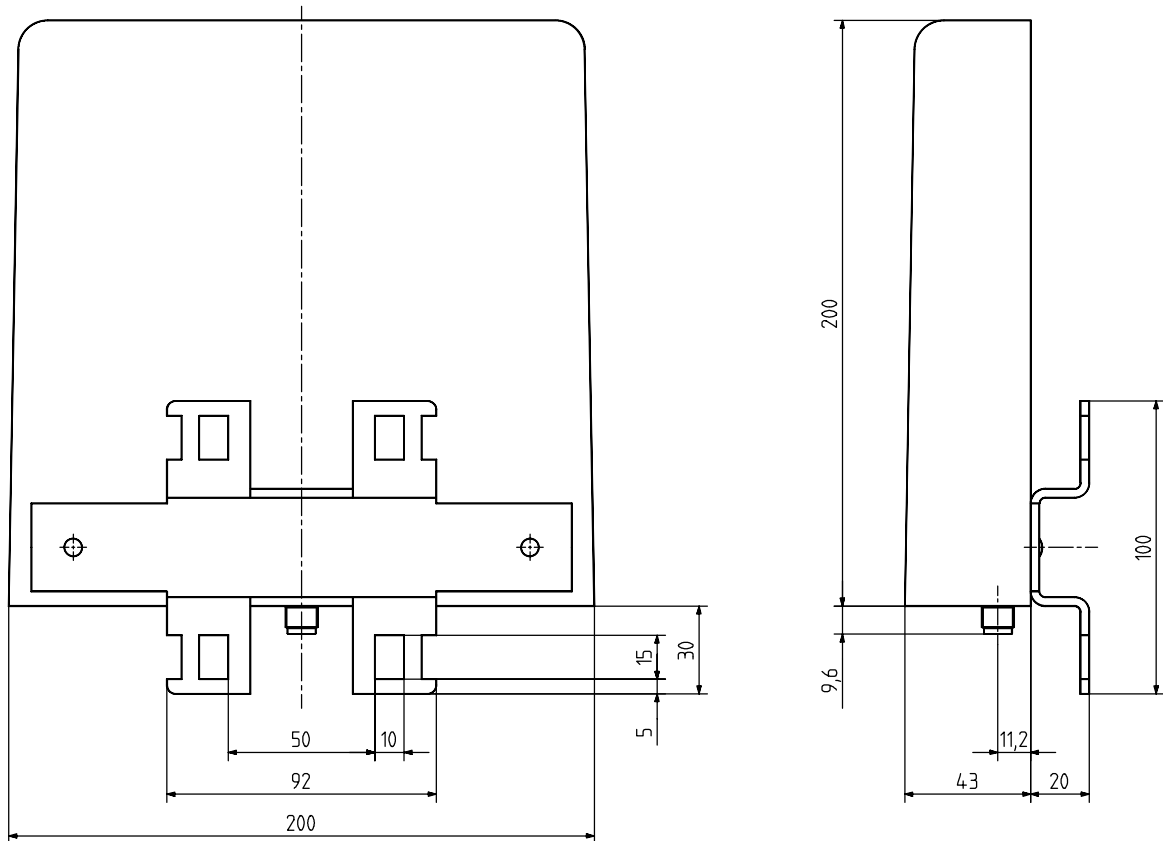


vertical

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## DIMENSIONS (mm)

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Data Sheet 01.99, 348MHP/st

### WAIVER!

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