

# Omnidirectional Antenna

## 470 – 860 MHz

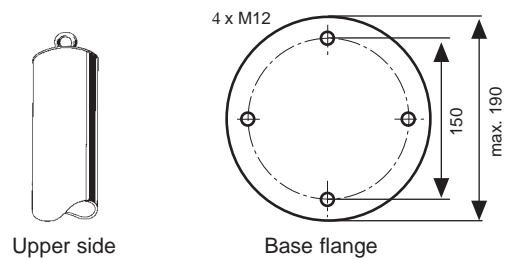
### 767 006, 770 881

- Broadband omnidirectional antenna.

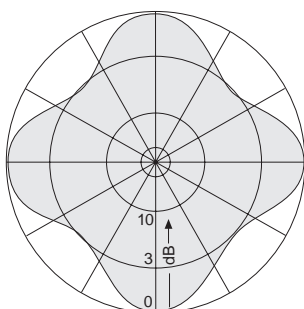
| Type No.                 | 767 006                                | 770 881             |
|--------------------------|--|---------------------|
| Number of bays           | 1                                      | 2                   |
| Input                    | 7-16 female                            | 7/8" EIA            |
| Frequency range          | 470 – 860 MHz                          |                     |
| VSWR                     | s < 1.1                                |                     |
| Gain                     | 5 dB<br>at mid-band                    | 8 dB<br>at mid-band |
| Vertical 3 dB beam width | 22°                                    | 11°                 |
| Impedance                | 50 Ω                                   |                     |
| Polarization             | Horizontal                             |                     |
| Max. power               | 1 kW<br>(at 40 °C ambient temperature) | 2 kW                |
| Weight                   | 20 kg                                  | 40 kg               |
| Wind load (at 160 km/h)  | 228 N                                  | 478 N               |
| Max. wind velocity       | 225 km/h                               |                     |
| Height H                 | 1.15 m                                 | 2.3 m               |



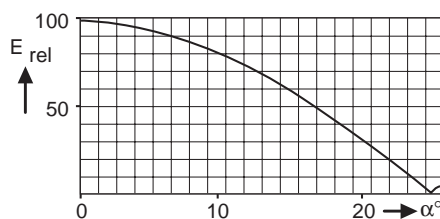
- Material:** Omnidirectional antenna in protective fiberglass radome with a diameter of 300 mm.  
Flange: Aluminum.
- Attachment:** To tubular masts with a diameter of 100 – 160 mm by using the attachment accessories 768 853 (see photo) or on a flange (see draft).
- Grounding:** Via mounting parts.



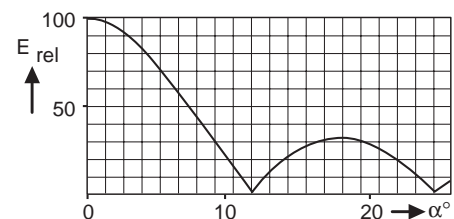
### Radiation Patterns (at mid-band)



Horizontal Radiation Pattern



Vertical Radiation Pattern  
1 bay (767 006)



Vertical Radiation Pattern  
2 bays (770 881)