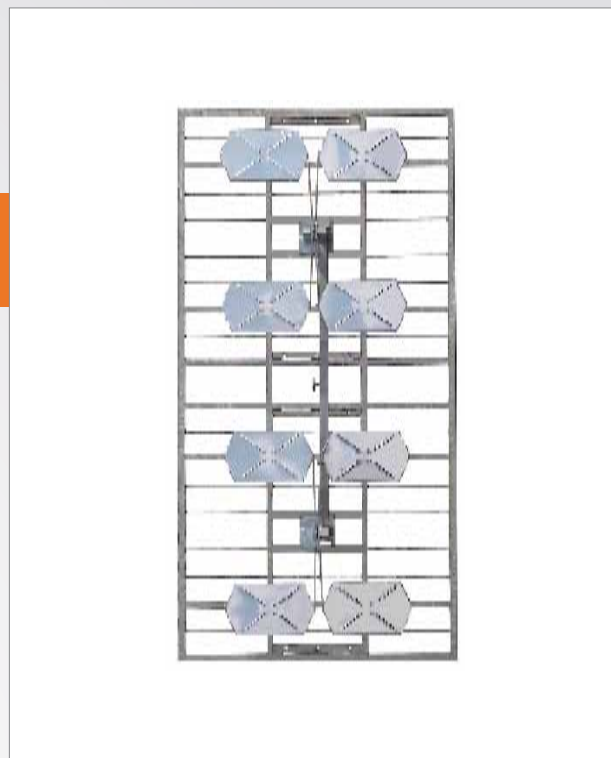


# 3VTV-04/EB

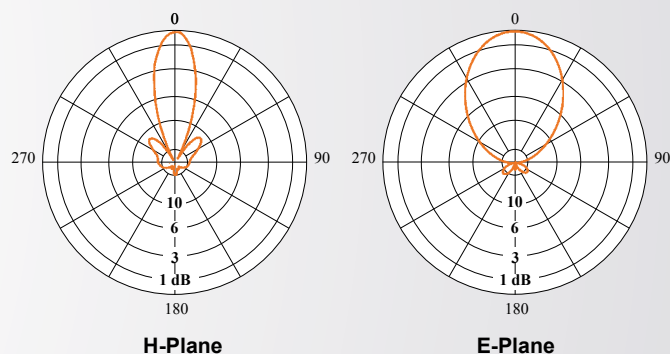
## VHF PANEL ANTENNA

### FEATURES

- horizontal polarization
- broadband 174 ÷ 254 MHz
- 11 dB gain
- directional pattern
- suitable as a component in various arrays



RADIATION PATTERNS (Mid Band)



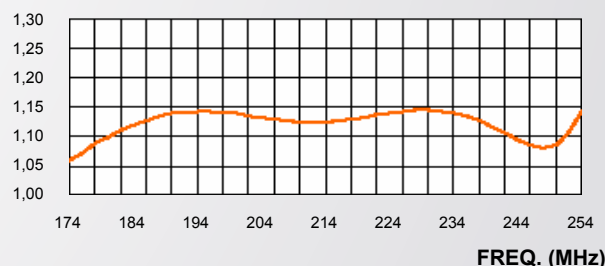
### ELECTRICAL DATA

|                                     |                                |
|-------------------------------------|--------------------------------|
| ANTENNA TYPE                        | 3VTV-04/EB                     |
| FREQUENCY RANGE                     | 174 ÷ 254 MHz                  |
| IMPEDANCE                           | 50 ohm                         |
| CONNECTOR                           | 7/8" EIA                       |
| MAX POWER                           | 3 kW                           |
| VSWR                                | ≤ 1.15                         |
| POLARIZATION                        | Horizontal                     |
| GAIN (referred to half wave dipole) | 11 dB                          |
| HALF POWER BEAMWIDTH                | E-Plane ± 31°<br>H-Plane ± 13° |
| LIGHTNING PROTECTION                | All metal parts DC grounded    |

### MECHANICAL DATA

|                         |   |
|-------------------------|---|
| DIMENSIONS              | 2800 x 1300 x 499 mm  |
| WEIGHT                  | 84 kg   |
| WIND SURFACE            | 1.75 m <sup>2</sup>   |
| WIND LOAD (at 150 km/h) | 2.73 kN   |
| MAX WIND VELOCITY       | 220 km/h  |
| MATERIALS               | Reflector (hot dip galvanized steel)<br>Dipoles (stainless steel)<br>Internal parts (silver plated brass) |
| MOUNTING                | Directly on supporting mast or tower  |

VSWR



GAIN (dB)

