

# «Flat line» Patch antenna

## 2400 to 2500 MHz

## Part Nr. 220701



### Electrical data

#### Radiation at 1296 MHz

Effective electrical length .....	: 1 $\lambda$
Isotropic gain .....	: 9 dBi
Aperture angle @ -3 dB	
- E-plane .....	: 2 x 27°
- H-plane .....	: 2 x 20°
First side lobe set	
- E-plane .....	: None
- H-plane .....	: None
Rear protection .....	: - 20 dB
Average stray radiation	
- E-plane .....	: -
- H-plane .....	: -

#### Bandwidth

Gain @ -1 dB .....	: 2400 to 2500 MHz
Nominal impedance .....	: 50 $\Omega$
Impedance match bandwidth @ SWR <1.3/1.....	: 2400 to 2500 MHz
Acceptable RF power (CW/FM/PSK) .....	: 10 W

### Mechanical data

Connector .....	: SMA
Overall length .....	: 300 x 390 x 50 mm
Mass .....	: 0.385 kg
Effective wind load	
- Horizontal polarization .....	: 0.023 m <sup>2</sup>
- Vertical polarization .....	: 0.004 m <sup>2</sup>
Approximate wind load (25 m/s - 55 mph)	
- Horizontal polarization .....	: 0,88daN
- Vertical polarization .....	: 0,15 daN
Approximate wind load (45 m/s - 100 mph)	
- Horizontal polarization .....	: 2,84 daN
- Vertical polarization .....	: 0,49 daN