

«Flat line» Patch antenna

2400 to 2500 MHz

Part Nr. 220702



Electrical data

Radiation at 1296 MHz

Effective electrical length	: 1 λ
Isotropic gain	: 12 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 Ω
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 ²
- Vertical polarization	: 0.004 m ²
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