



## Microstrip Antenna PA 42 40.5 – 42.5 GHz

### Technical Data

	<b>Electrical properties</b>
<b>Frequency range</b>	<b>40.5 – 42.5 GHz</b>
<b>Polarization</b>	Linear (vertical)
<b>Gain</b>	no less than <b>34 dB</b>
<b>Beamwidth (azimuth)</b>	2.3°
<b>(elevate)</b>	2.3°
<b>VSWR</b>	1.5 max
<b>Permitted power on entrance</b>	10.0 W (average)
<b>Sidelobes level (horizon.)</b>	<b>-15 dB</b>
<b>Cross Polarization</b>	<b>- 25 dB</b>
<b>Front to Back Ratio</b>	<b>- 30 dB</b>
	<b>Mechanical properties</b>
<b>Dimension, mm</b>	220 x 220 x 60
<b>Weight, kg</b>	1.0
<b>Backplane material</b>	Aluminum
<b>Radome material</b>	Composite
<b>Radome color</b>	TBD
<b>Operating temperature range</b>	-30° C to + 60°C
<b>Windload</b>	150 km/h

### RADIATION PATTERN (Typical)



