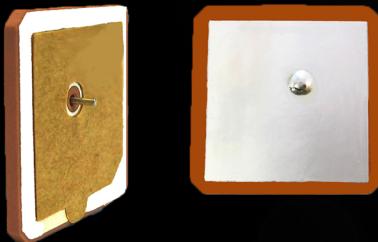




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## MPA1575D254 Compact Microstip Patch Antenna GPS L1 Band



### PRODUCT DESCRIPTION

MPA1575D254 is a ceramic microstrip patch antenna with 88% efficiency and antenna peak realized gain of 6.1 dBi. MPA1575D254 has an adhesive tape on the back for easy installation on different surfaces.

### SPECIFICATIONS

	Min	Typical	Max	Unit
Frequency	1570.42	1575.42	1580.42	MHz
Polarization		Right-Hand		RHCP
Efficiency (with RadioMax™)		N/A		% (total spherical)
Efficiency		88		% (total spherical)
Gain (with RadioMax™)		N/A		dBi
Realized Gain		6.1		dBi
Beamwidth (3dB) <sup>1</sup>		100		Degrees (both axis)
Bandwidth (-1dB)		19		MHz
Cross Pole Rejection	12			dB
Axial Ratio			3	dB
Front to Back Ratio		25		dB
VSWR		1.3:1		
Impedance (differential)		50		Ohms
Overall Dimensions		25 x 25 x 2		mm
Operating Temperature	-40	20	+85	°C

<sup>1</sup>-1dbic realized gain bandwidth

