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MPA1575D104

Compact Microstrip Patch Antenna GPS L1 Band



PRODUCT DESCRIPTION

MPA1575D104 is a ceramic microstrip patch antenna with 50% efficiency and antenna peak realized gain of 3.0 dBi. MPA1575D104 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		50		% (total spherical)
Gain (with RadioMax™)		N/A		dBi
Realized Gain		3.0		dBi
Beamwidth (3dB) ¹		90		Degrees (both axis)
Bandwidth (-1dB)		13		MHz
Cross Pole Rejection		19		dB
Axial Ratio			1	dB
Front to Back Ratio		25		dB
VSWR		1.3:1		
Impedance (differential)		50		Ohms
Overall Dimensions		10 x 10 x 4		mm
Operating Temperature	-40	20	+85	°C

¹-1dbic realized gain bandwidth

