



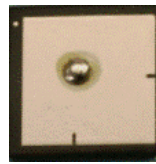
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GPS antennas for demanding requirements

JDGA Ceramic Patch SMT GPS Antenna

18 X 18 X 2mm

Available Frequencies 1576MHz to 1598MHz



Typical Electrical Properties

Center Frequency	1580MHz \pm 3.0MHz (50 X 50 ground plane)
Bandwidth	6.0MHz (min)
Return Loss	\leq -10dB
Gain @ zenith	+1.0dB (typ)
Gain @ 10° elevation	-5.5dB (typ)
Polarization	RHCP
Impedance	50 ohm
Frequency Temperature Coefficient	0 \pm 20ppm/C° (-40°C to 85°C)
Dielectric Constant K	37 \pm 2.5
Quality Factor, Q (=1/tan)	\geq 5000@9GHz
Temperature Coefficient of Resonant Frequency	0 \pm 20ppm/°C (-40°C to 85°C)

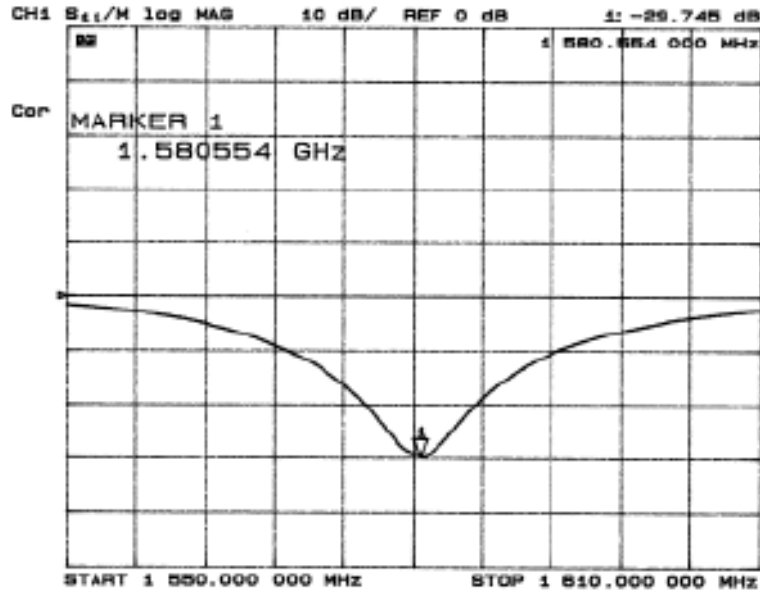




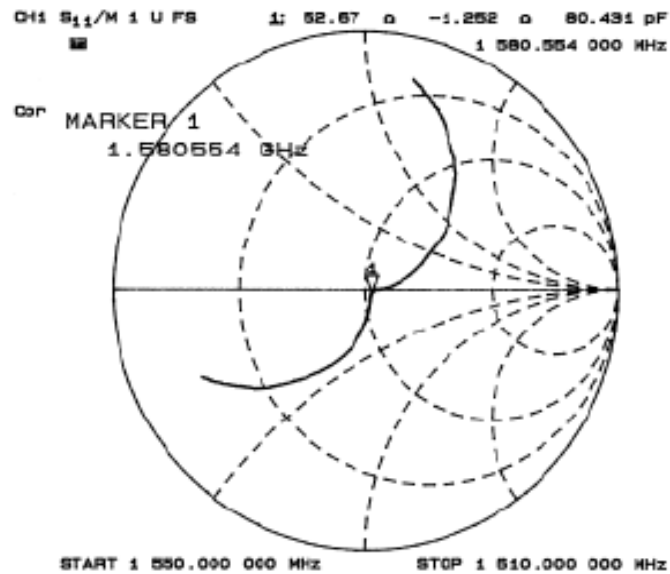
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Reflection Coefficient



Smith

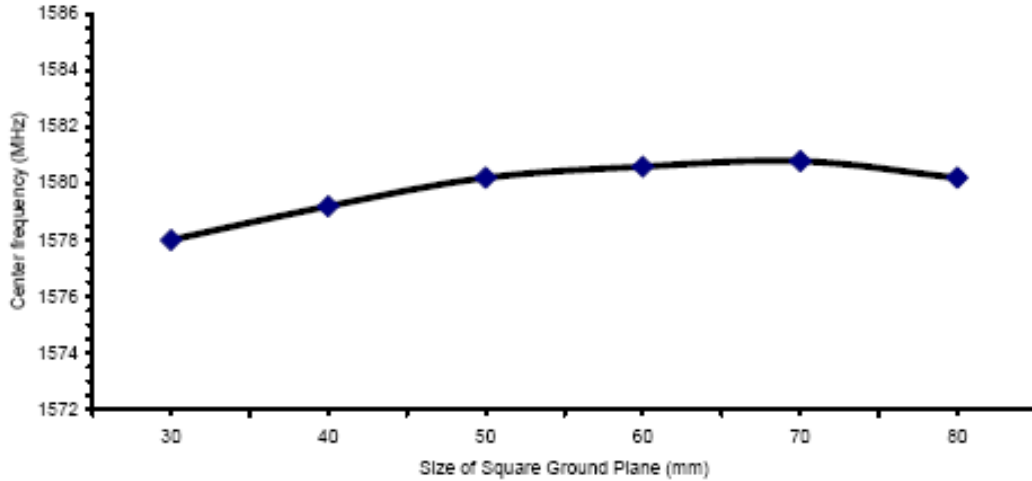




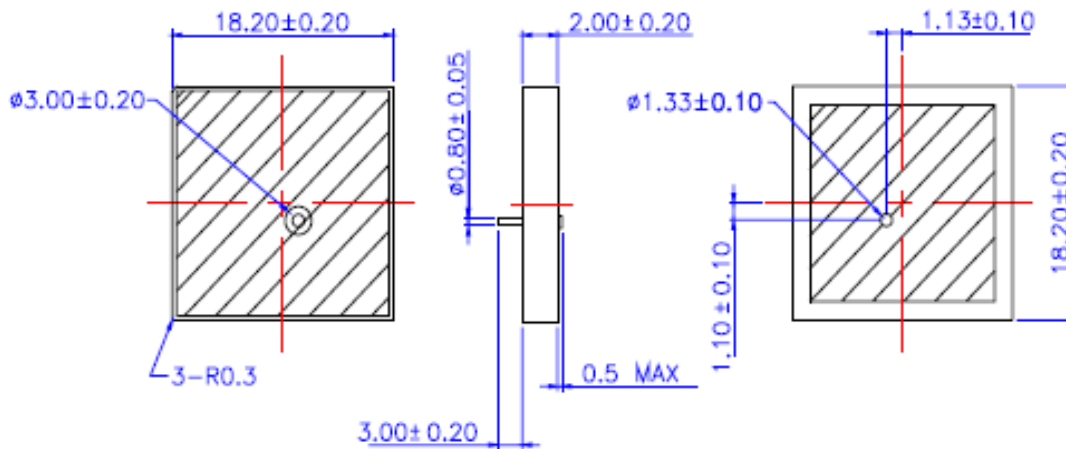
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Center Frequency vs Ground Plane



Mechanical Dimensions



Unit : mm



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PART NUMBERS	FREQUENCY MHz
G180276P	1576
G180278P	1578
G180280P	1580
G180282P	1582
G180284P	1584
G180286P	1586
G180288P	1588
G180290P	1590
G180292P	1592
G180294P	1594
G180296P	1596
G180298P	1598