



JDGA

GPS antennas for demanding requirements

**JDGA Ceramic Patch SMT GPS Antenna
25 X 25 X 2mm
Available Frequencies 1576MHz to 1598MHz**



Center Frequency	1580MHz \pm 3.0MHz (70 X 70 ground plane)
Bandwidth	9.0MHz (min)
Return Loss	\leq -10dB
Gain @ zenith	+4.5dB (typ)
Gain @ 10° elevation	-3.0dB (typ)
Polarization	RHCP
Impedance	50 ohm
Frequency Temperature Coefficient	0 \pm 20ppm/C° (-40°C to 85°C)
Dielectric Constant K	20 \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)

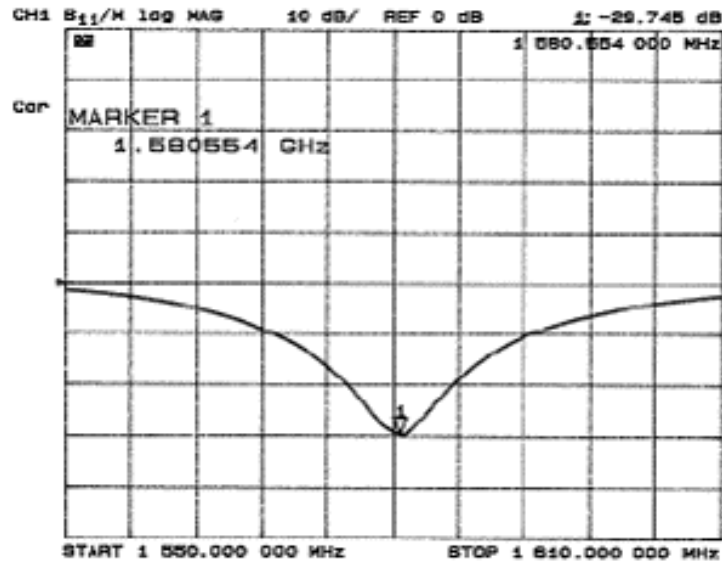




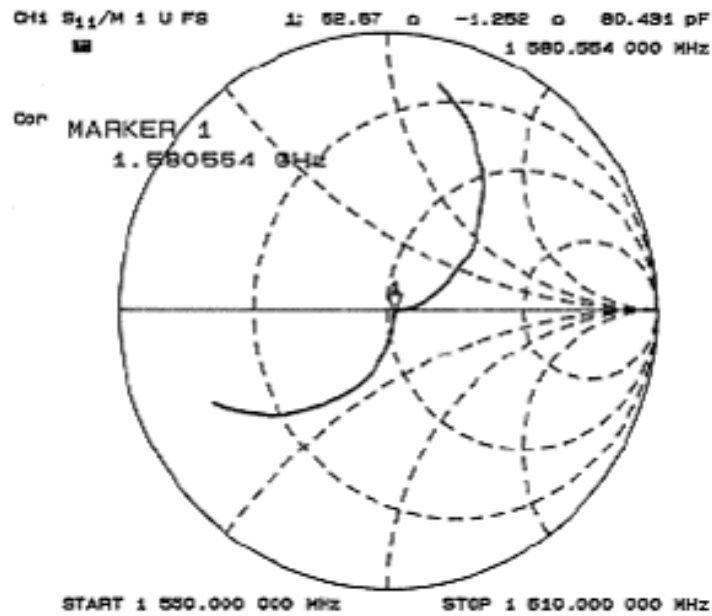
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Reflection Coefficient



Smith

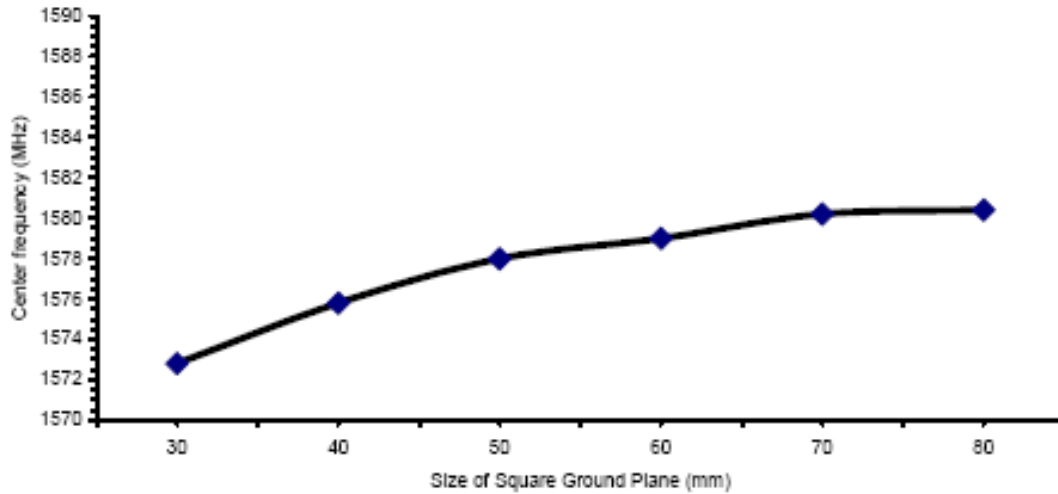




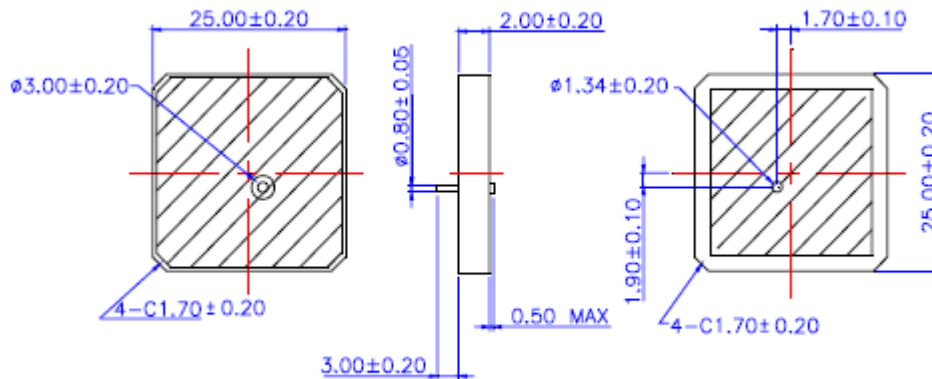
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Center Frequency vs Ground Plane



Mechanical Dimensions



Unit : mm



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PART NUMBERS	FREQUENCY MHz
G250276P	1576
G250278P	1578
G250280P	1580
G250282P	1582
G250284P	1584
G250286P	1586
G250288P	1588
G250290P	1590
G250292P	1592
G250294P	1594
G250296P	1596
G250298P	1598