



JDGA

GPS antennas for demanding requirements

JDGA Ceramic Patch SMT GPS Antenna

12 X 12 X 4mm

Available Frequencies 1576MHz to 1598MHz



Typical Electrical Properties

Center Frequency	1605MHz \pm 3.0MHz (50 X 50 ground plane)
Bandwidth	5.0MHz (min)
Return Loss	\leq -10dB
Gain @ zenith	+0.0dB (typ)
Gain @ 10° elevation	-8.0dB (typ)
Polarization	RHCP
Impedance	50 ohm
Frequency Temperature Coefficient	0 \pm 20ppm/C° (-40°C to 85°C)
Dielectric Constant K	90 \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)

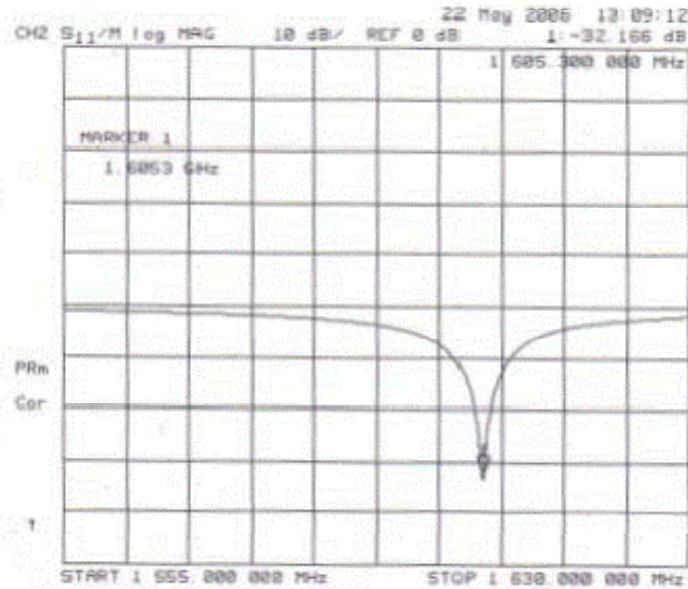




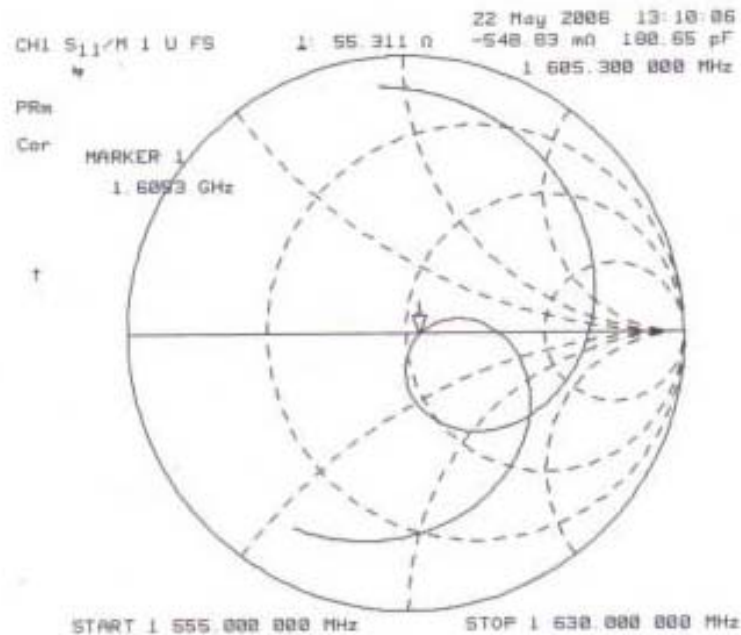
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Reflection Coefficient



Smith

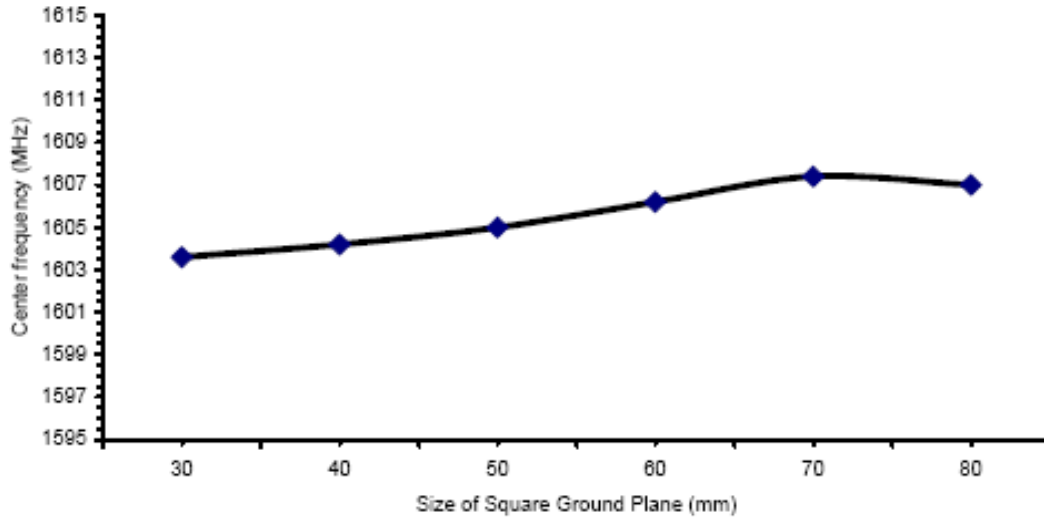




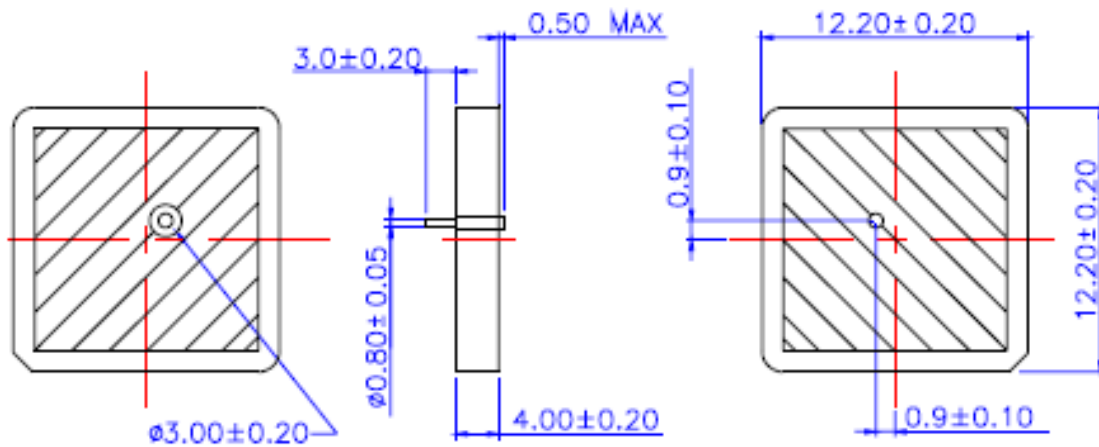
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Center Frequency vs Ground Plane



Mechanical Dimensions



Unit : mm



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PART NUMBERS	FREQUENCY MHz
G120476P	1576
G120478P	1578
G120480P	1580
G120482P	1582
G120484P	1584
G120486P	1586
G120488P	1588
G120490P	1590
G120492P	1592
G120494P	1594
G120496P	1596
G120498P	1598