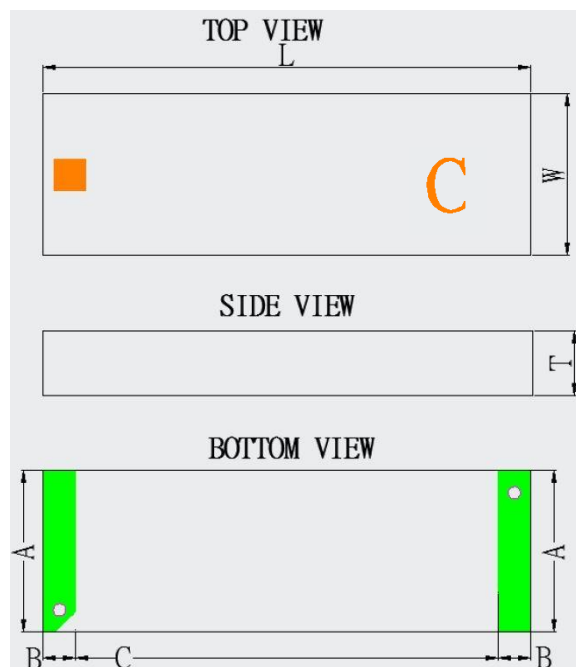


ELECTRICAL SPECIFICATION

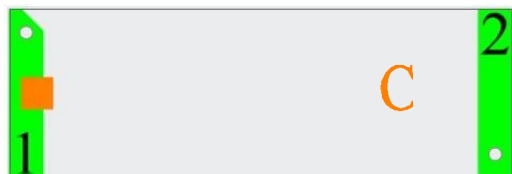
PARAMETERS	VALUE	UNIT
Frequency Range	900 ~ 930	MHz
Peak Gain, typ	1.0	dBi
Return Loss, max	-6.0	dB
VSWR, max	3.0	-
Polarization	Linear	-
Azimuth Beamwidth	Omni-Directional	-
Efficiency (Base on GND 90 x 120 mm ²)	60	%
Feed Impedance	50	Ω
Rated Power, max	1	W
Operating Temperature Range	-40 ~ +85	°C

MECHANICAL SPECIFICATION



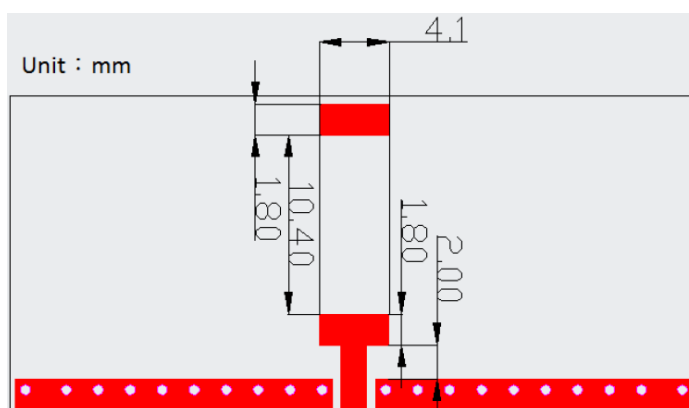
Symbol	Dimension (mm)
L	12.0 ± 0.15
W	4.0 ± 0.15
T	1.6 ± 0.15
A	4.0 ± 0.15
B	0.8 ± 0.1
C	10.4 ± 0.15

CONSTRUCTION

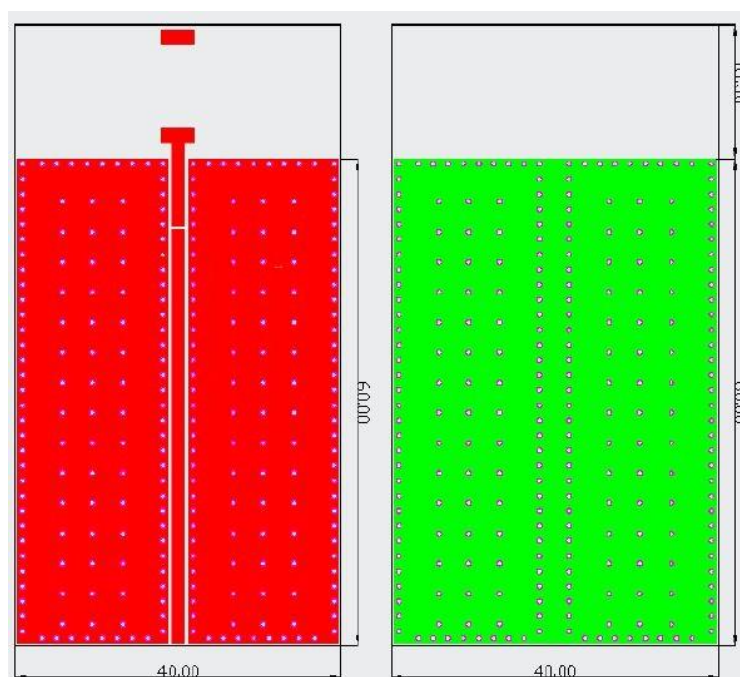


PIN	Connection
1	Feeding
2	Soldering

SOLDER LAND PATTERN

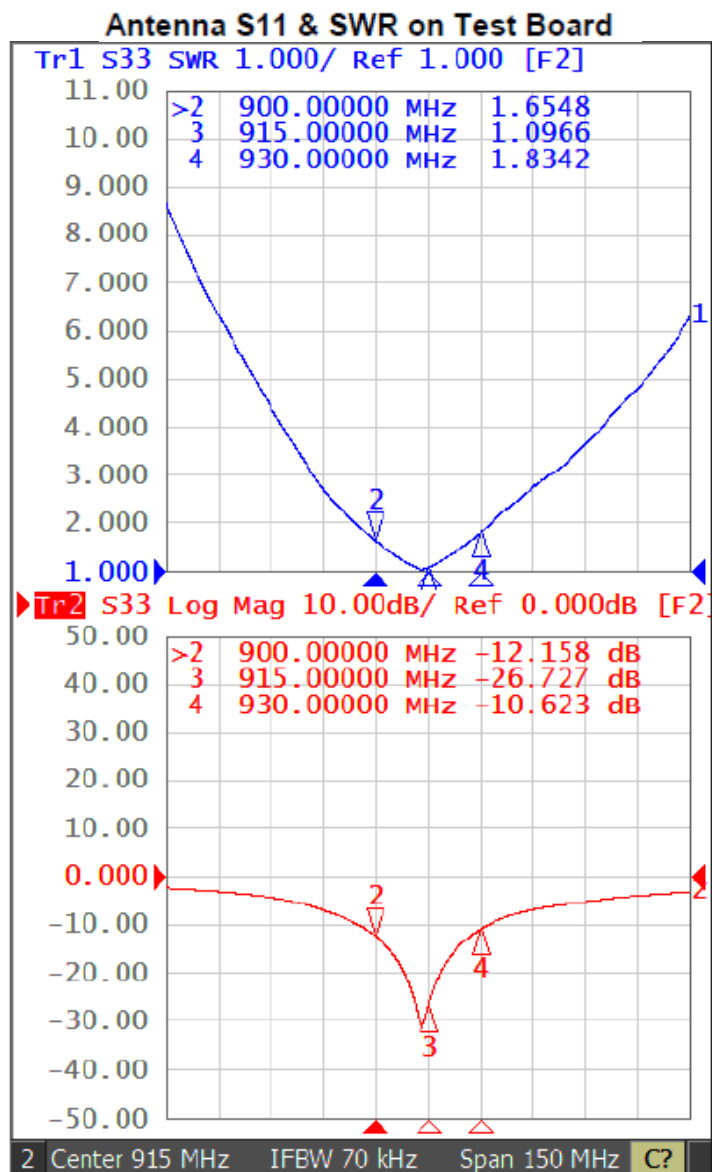


TEST BOARD

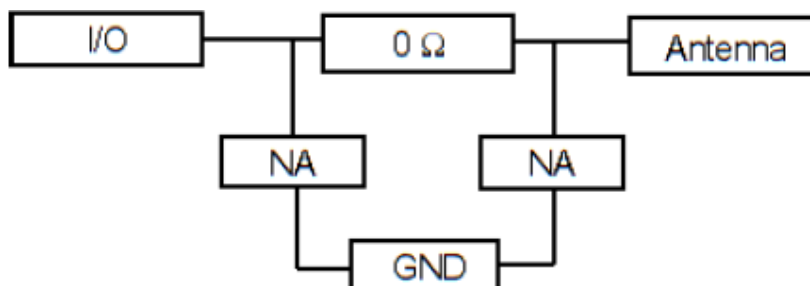


Clearance Area 16.5 X 40 mm² Unit : mm

Antenna on Test Board (Thickness: 0.8mm)



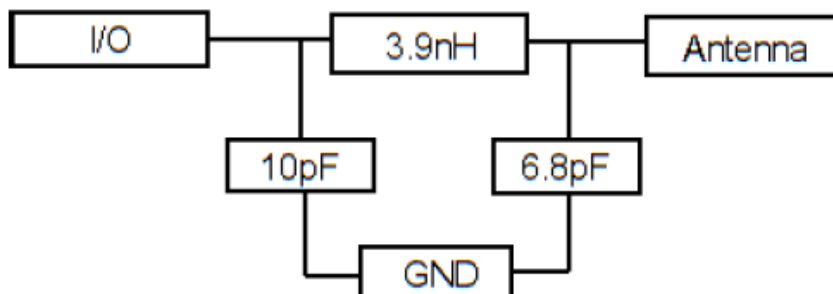
Matching Circuit



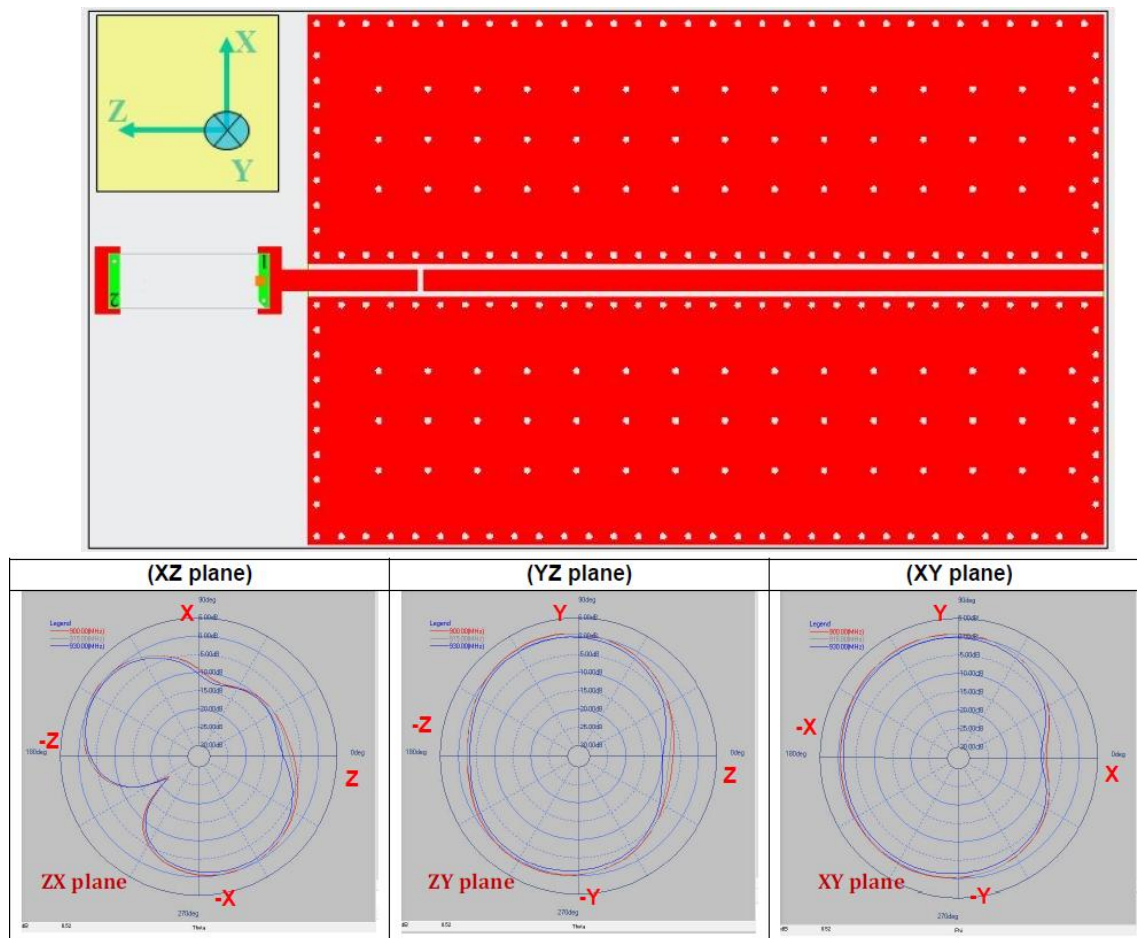
Antenna S11 & SWR on Test Board



Matching Circuit



RADIATION PATTERN



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
900	0.51	-3.41	0.94	-1.48	0.82	-1.11
915	0.56	-3.52	0.78	-1.61	0.68	-1.22
930	-0.06	-4.23	0.04	-2.44	-0.18	-2.09

APPROVAL

RALTRON	
DRAWN BY:	AR, November 07, 2019
APPROVED BY:	CP, November 07, 2019
REVISION:	A, Initial Release

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