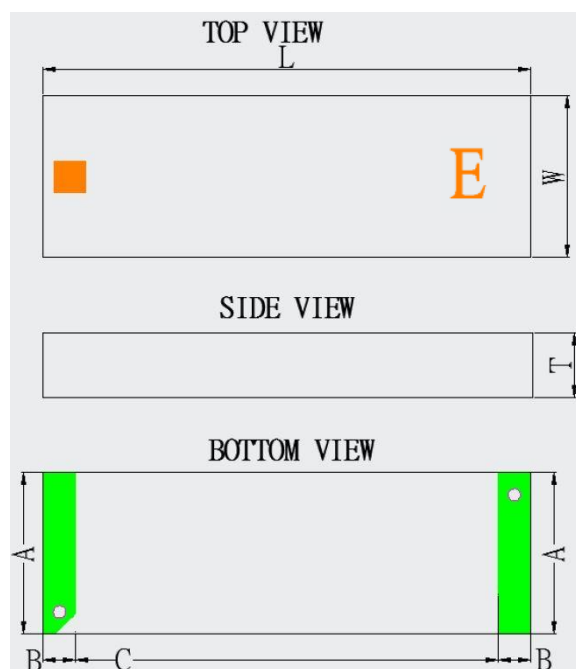


ELECTRICAL SPECIFICATION

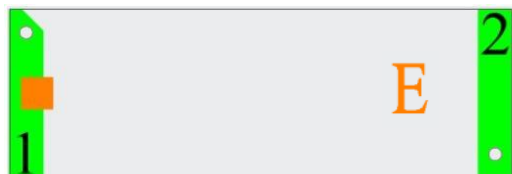
PARAMETERS	VALUE	UNIT
Frequency Range	855 ~ 885	MHz
Peak Gain, typ	1.0	dBi
Return Loss, max	-6.0	dB
VSWR, max	3.0	-
Polarization	Linear	-
Azimuth Beamwidth	Omni-Directional	-
Efficiency (Base on GND 90 x 120 mm ²)	60	%
Feed Impedance	50	Ω
Rated Power, max	1	W
Operating Temperature Range	-40 ~ +85	°C

MECHANICAL SPECIFICATION



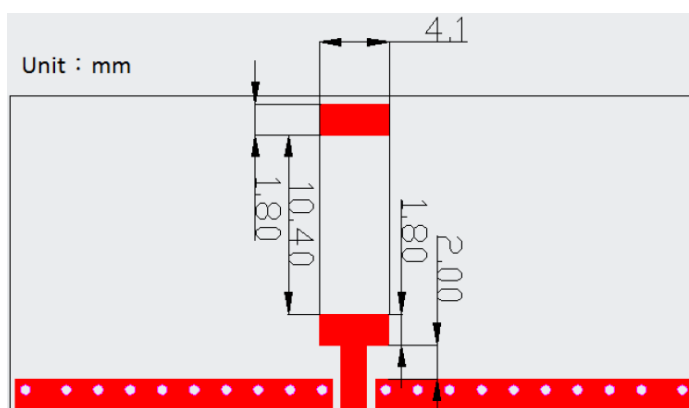
Symbol	Dimension (mm)
L	12.0 ± 0.15
W	4.0 ± 0.20
T	1.55 ± 0.05
A	4.0 ± 0.20
B	0.8 ± 0.08
C	10.4 ± 0.15

CONSTRUCTION

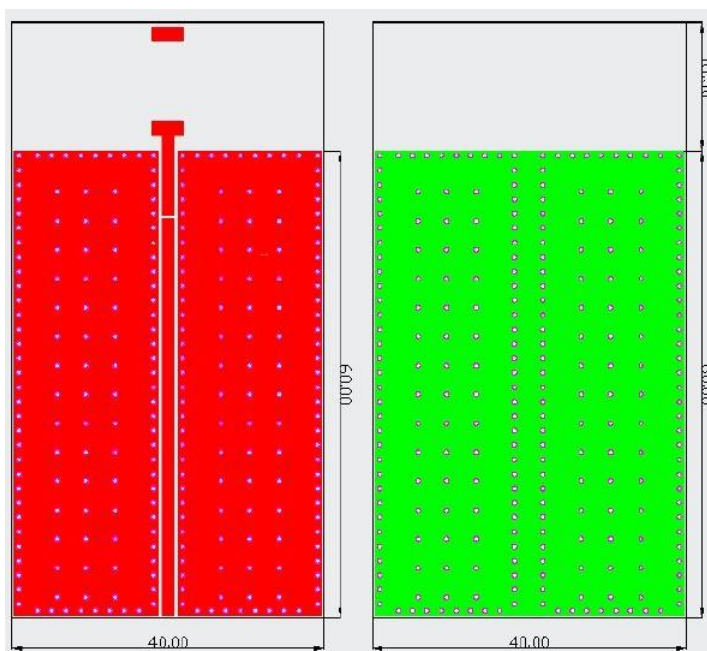


PIN	Connection
1	Feeding
2	Soldering

■ SOLDER LAND PATTERN

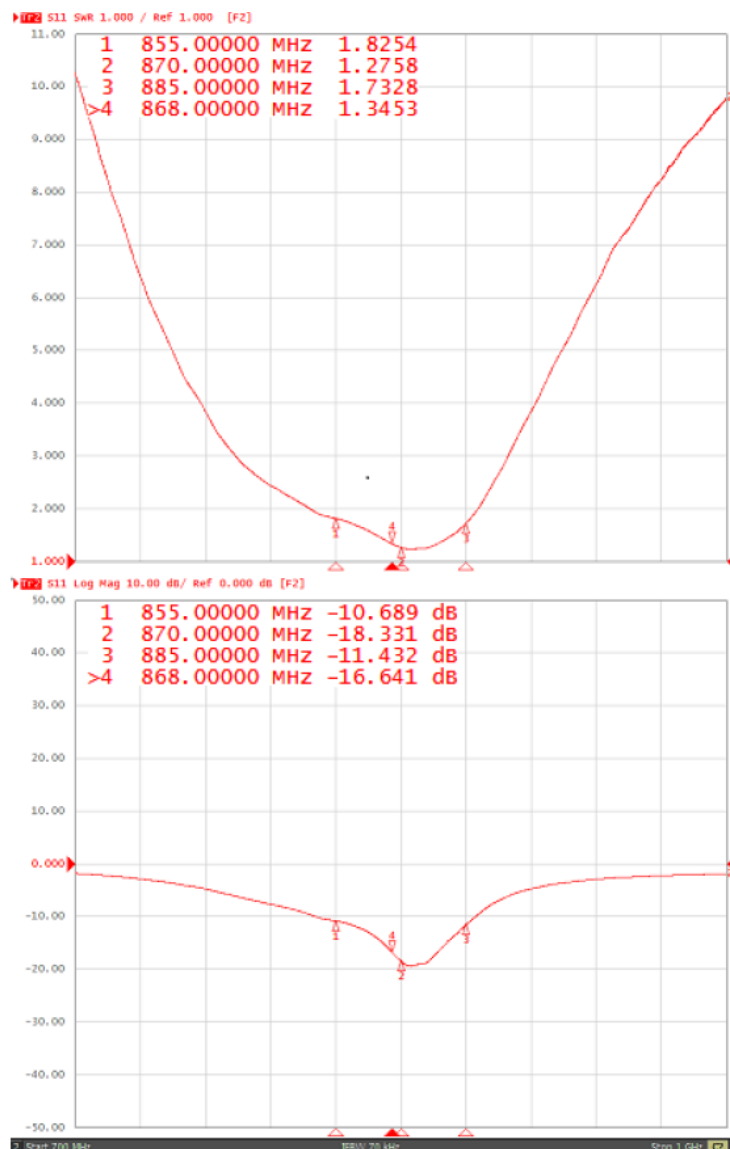


■ TEST BOARD

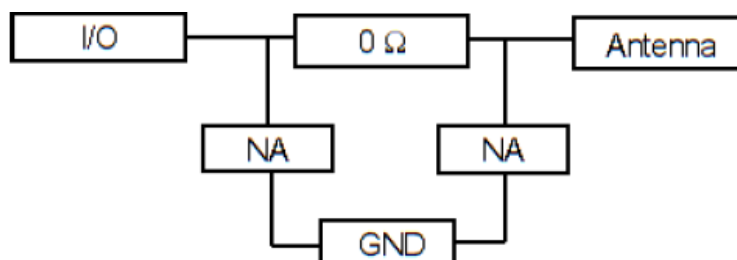


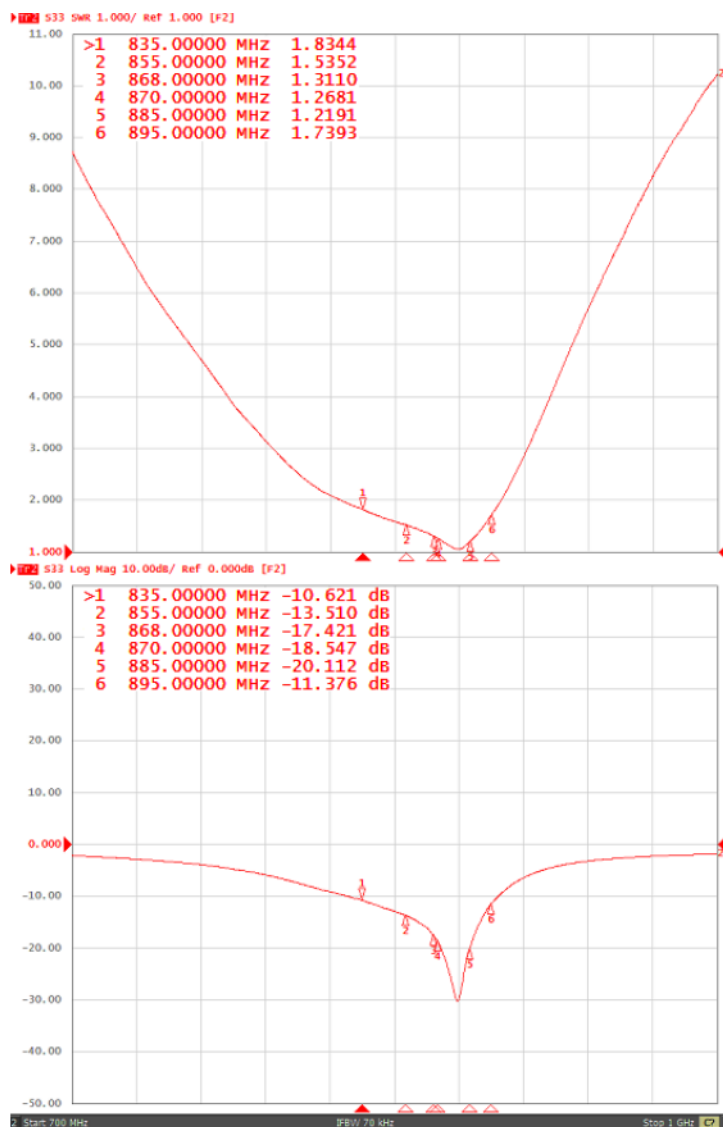
Clearance Area 16.5 X 40 mm2 Unit : mm

Antenna on Test Board (Thickness: 0.8mm)

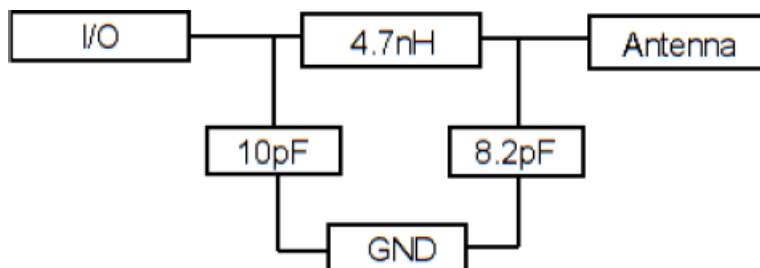


Matching Circuit

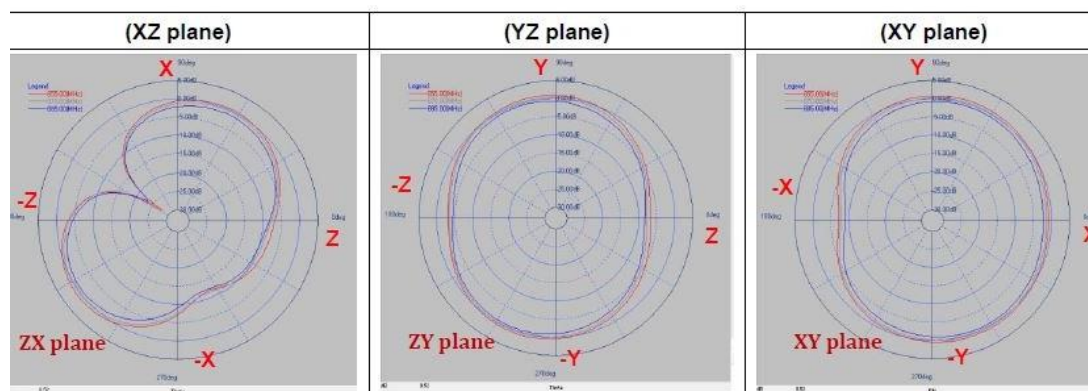
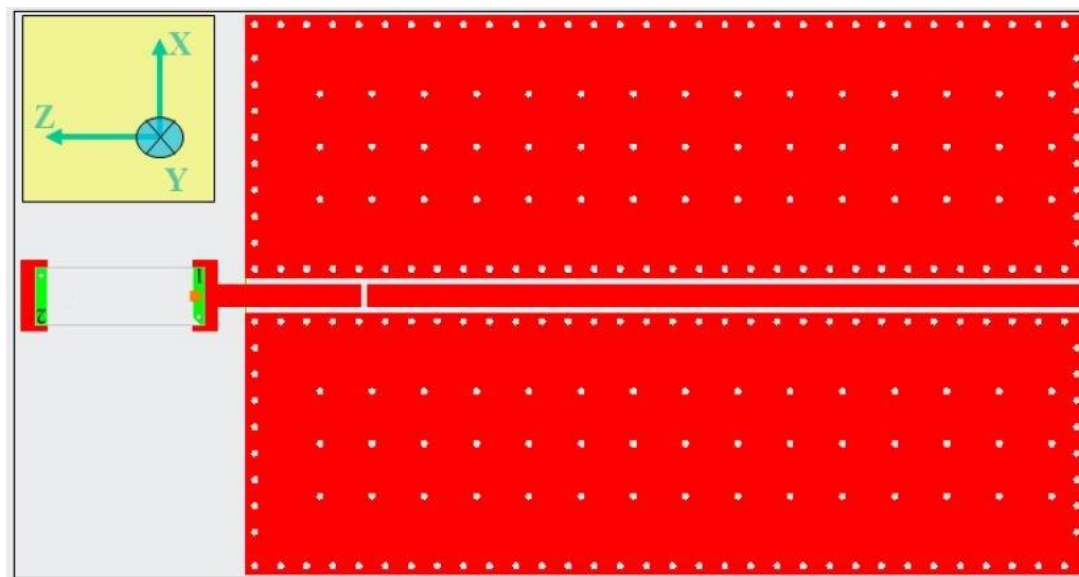




Matching Circuit



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]
855	1.06	-3.01	0.82	-1.29	0.85	-0.74
870	0.34	-3.65	0.30	-1.86	0.24	-1.31
885	-0.72	-4.59	-0.60	-2.69	-0.66	-2.27

APPROVAL

RALTRON	
DRAWN BY:	AR, August 05, 2020
APPROVED BY:	CP, August 05, 2020
REVISION:	A, Initial Release

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