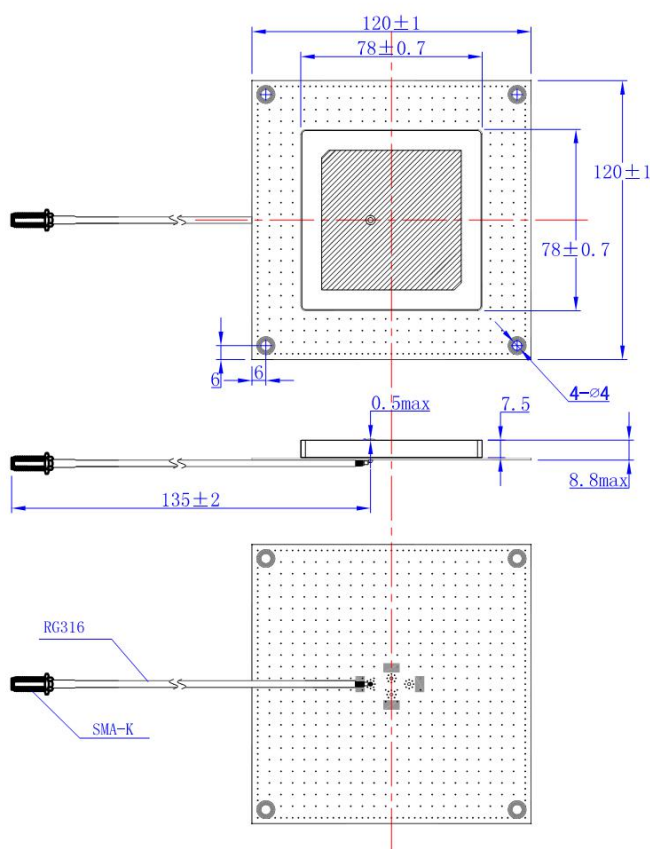


Part NO. SS-RUI7875AP143N		Type RFID Antenna
Electrical Characteristics		
Antenna		
1	Antenna model	78*78*7.5mm
2	Frequency Range	902MHz~928MHz
3	V.S.W.R	2.0 max
4	Band With@RL=-10dB	≥ 15 MHz
5	Gain@Zenith	4.5dBi@90*90mm Ground
6	Impedance	50 Ω
7	Polarization	RHCP
8	Axial Ratio@Zenith	<3dB
Material		
No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	1.0mm, FR-4
3	Cable	L=135mm, RG-316
4	Connector	SMA-K (Female)
Environment Condition		
1	Working Temp	-40℃~+85℃, 10%~95% RH
2	Storage Temp	-45℃~+85℃, 10%~95% RH

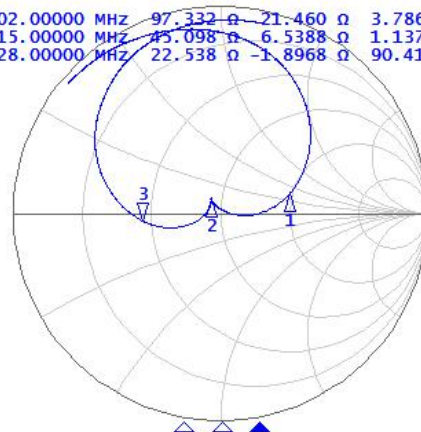
Dimensions



Return Loss & Impedance

Tr1 S11 Smith (R+jX) Scale 1.000U [F1]

1	902.00000 MHz	97.332 Ω	21.460 Ω	3.7866 nH
2	915.00000 MHz	45.098 Ω	6.5388 Ω	1.1374 nH
>3	928.00000 MHz	22.538 Ω	-1.8968 Ω	90.419 pF



Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]

1	902.00000 MHz	-9.1421 dB
2	915.00000 MHz	-21.337 dB
>3	928.00000 MHz	-8.4191 dB

