

Electrical Specifications

1. ANTENNA

Parameters	Specification	Unit
Frequency Range	1575.42 ± 1.023	MHz
Bandwidth, min	10	MHz
Gain (based on 7x7cm ground plane)	4.5	dBic
VSWR, max	1.5	-
Impedance	50	Ω
Polarization	RHCP	-
Operating Temperature Range	-40 ~ +85	°C
Storage Temperature Range	-45 ~ +85	°C

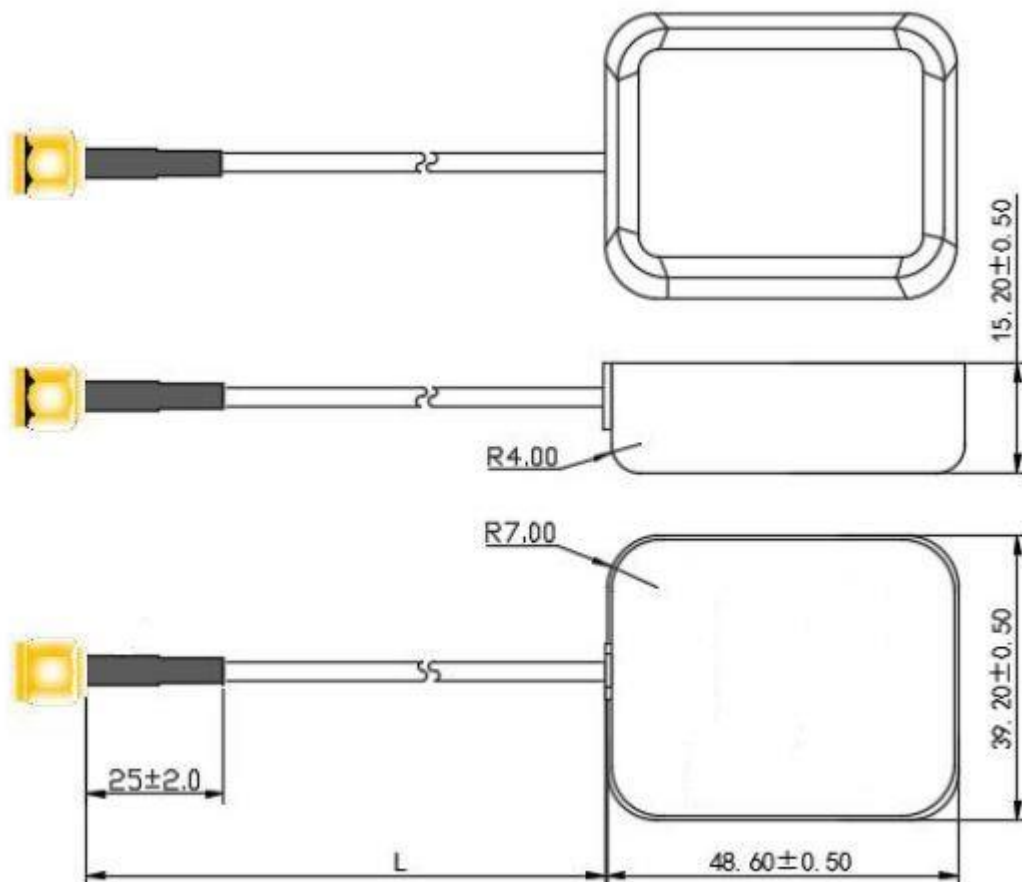
2. LNA

Parameters	Specification	Unit
Frequency Range (F ₀)	1575.42 ± 1.023	MHz
Gain	28 ± 3	dB
Outband Rejection (absolute value), min	F ₀ + 100 MHz	30
	F ₀ - 100 MHz	30
Output VSWR, max	2	-
Noise Figure, max	1.5	dB
DC Voltage	3.0 ~ 5.0	V
DC Current (at 3.0V)	8.5 ± 3.0	mA

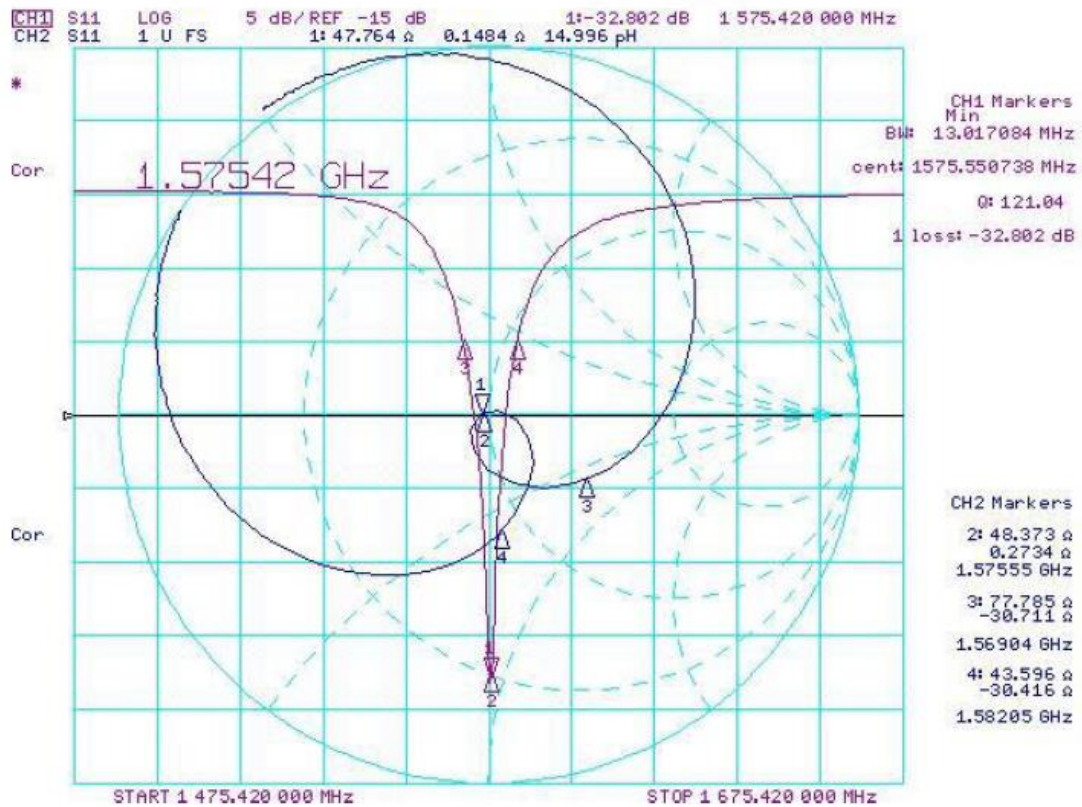
3. OVERALL (Including RF connector)

Parameters	Specification	Unit
Frequency Range	1575.42 ± 1.023	MHz
Output VSWR, max	2.0	-
Impedance	50	Ω
Cable	RG174	-
RF Connector	SMA-J3	

Dimensions



Frequency Characteristics



● **APPROVAL**

DRAWN BY	LP, December 14, 2016
APPROVED BY	CP, December 14, 2016
REVISION	A, Initial Release