



■ ELECTRICAL SPECIFICATION

ANTENNA

PARAMETERS	VALUE	UNIT
Frequency Range	GPS: L1/L2	-
	GLONASS: G1/G2	-
	COMPASS: B1/B2/B3	-
	Galileo: E1/L1/E2/E5b/E6	-
Polarization	RHCP	-
Axial Ratio, max	3	dB
VSWR, max	1.5	-
Peak Gain, min	5	dBi
Impedance	50	Ω
Phase Center Error	± 2	mm
Horizontal Coverage Angle	360	$^{\circ}$

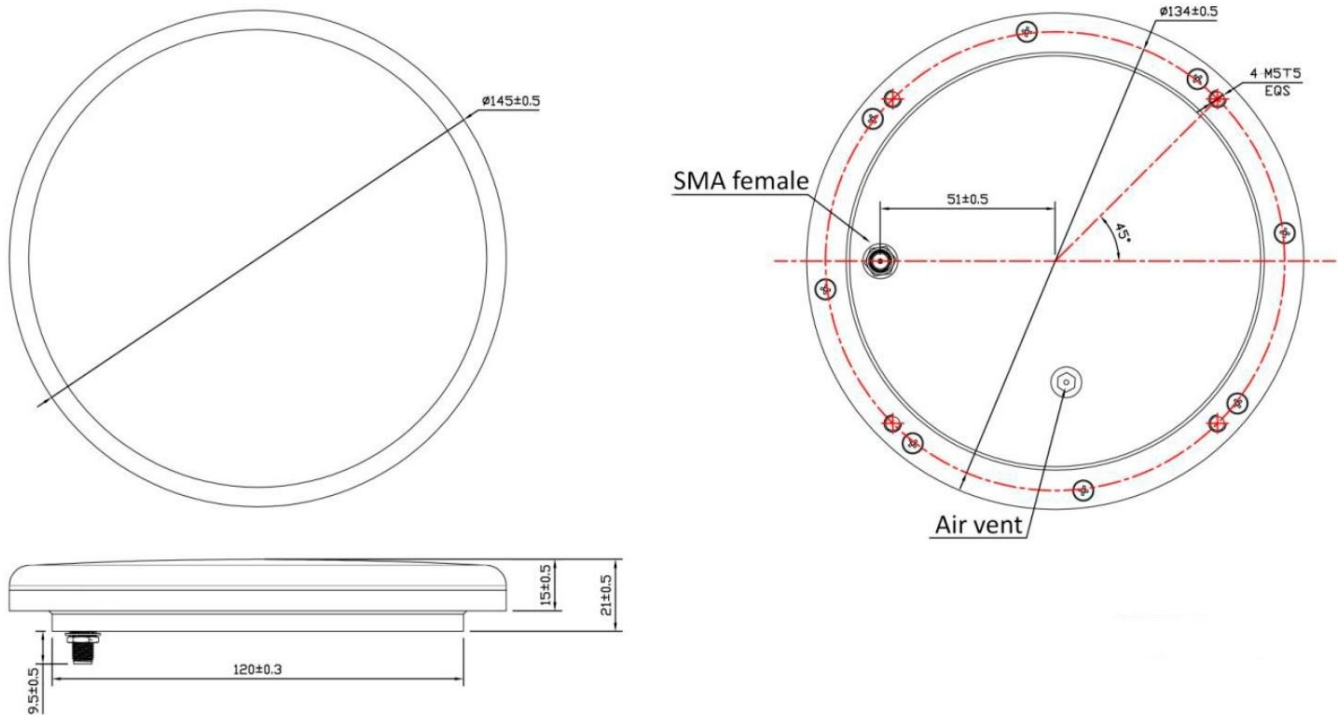
LNA

PARAMETERS	VALUE	UNIT
Gain	40 ± 2	dB
Noise Figure, max	1.5	dB
Passband Fluctuation	± 1.5	dB
Supply Voltage	3 ~ 12	V DC
Current Consumption, max	50	mA
VSWR, max	2	-

MECHANICAL & ENVIRONMENTAL

PARAMETERS	VALUE	UNIT
Connector	SMA Female	-
Radome Material	ABS	-
Operating Temperature Range	-40 ~ +85	$^{\circ}\text{C}$
Relative Humidity, max	95	%
Ingress Protection (Exclude Air Vent in Screw Hole)	IP67	-
Mounting Method	Screw	-
Environmentally Friendly	RoHS Compliant	-

MECHANICAL SPECIFICATION



Unit: mm

APPROVAL

RALTRON	
DRAWN BY:	AR, July 22, 2019
APPROVED BY:	CP, July 22, 2019
REVISION:	A, Initial Release



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