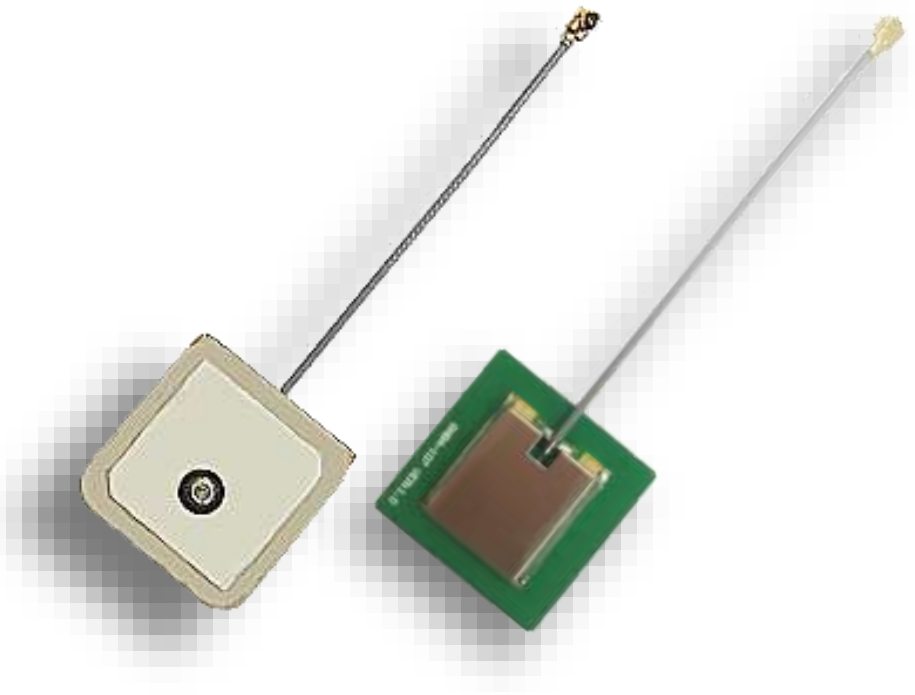
REYAX
TECHNOLOGY CORPORATION, LTD

RYAGN40

High Performance 25x25mm Two Stage LNA GPS-GLONASS-GALILEO-BeiDou Embedded Active Patch Antenna

Datasheet



Represented by:

first FC components

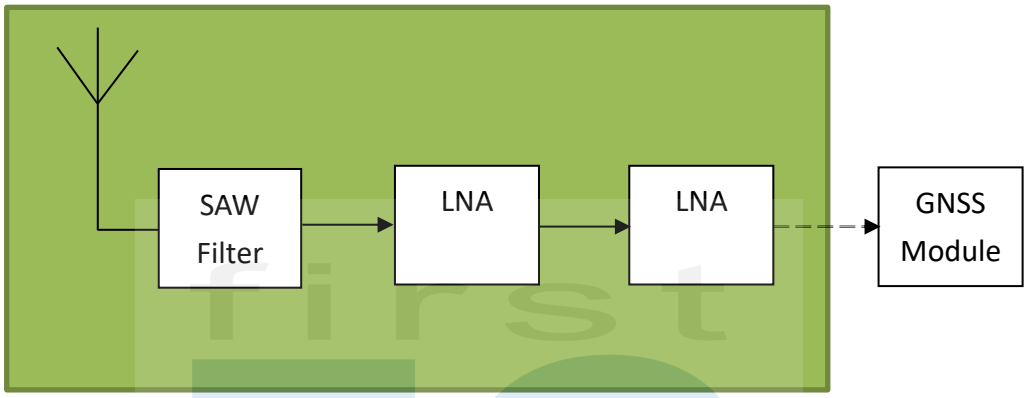
FIRST Components srl Via Cavour 69, 21020 Buguggiate (VA)

T. +39 0332 1888005 web: www.first-components.com

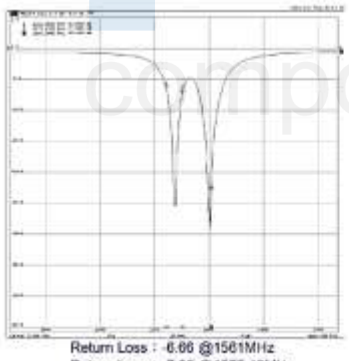
PRODUCT DESCRIPTION

The RYAGN40 active GNSS antenna, it has a wide-band operation over GPS/GLONASS/GALILEO/BeiDou systems. It includes a two-stage high performance LNA and excellent front-end SAW filter to reduce out of band noise.

BLOCK DIAGRAM

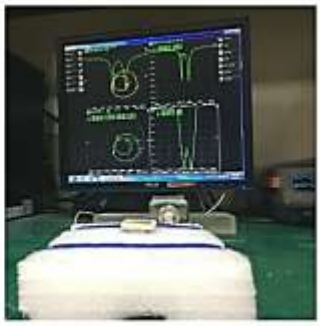


S11 RETURN LOSS & SMITH CHART MEASURE







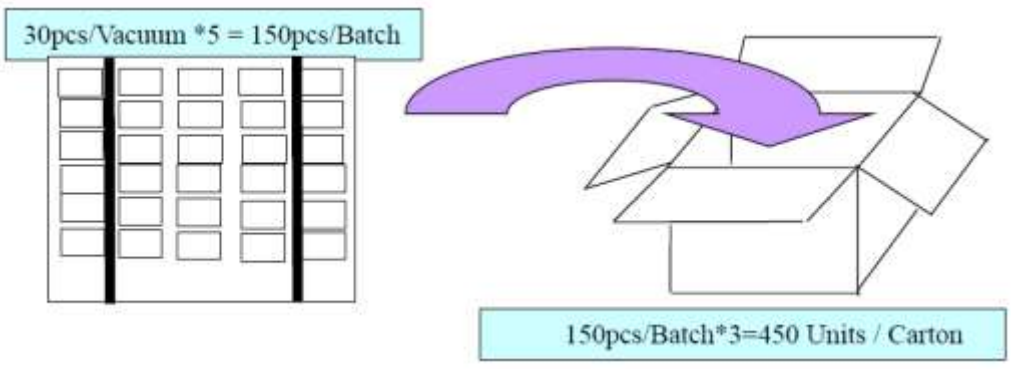


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SPECIFICATION

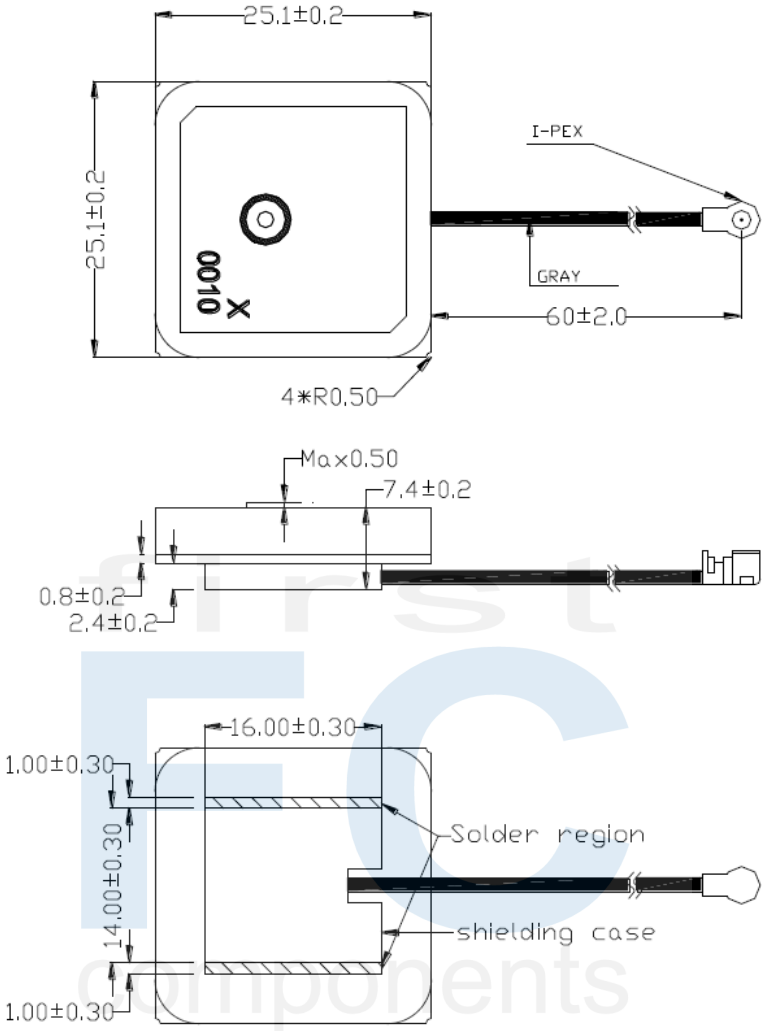
Item	Min.	Typical	Max.	Unit	Condition
Operation Voltage	1.8	3	5.5	V	
RF Frequency Range	1559.052 1574.397 1597	1561.098 1575.42 1602	1563.144 1576.443 1607	MHz	BeiDou GPS, Galileo Glonass
Total Gain	24 22.5 23.5	27 25.5 26.5	30 28.5 29.5	dBi	BeiDou GPS, Galileo Glonass
Outer Band Attenuation	13 20			dB	1584 ± 50MHz 1584 ±100MHz
Output Impedance		50		Ω	
Output VSWR			2		
Power Consumption		5 10 23		mA	1.8V 3V 5.5V
Noise Figure		3		dB	
Relative Humidity	40		95	%	
Operating Temperature	-40	25	+85	˚C	
Antenna Polarization					RHCP
RF Cable Length	58	60	62	mm	ψ1.13±0.1mm, Color : GRAY
Body Dimensions					25.1mm*25.1mm*7.4mm
Weight		11.5		g	

PACKAGE 450 units/Carton



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DIMENSIONS



unit:mm

REYAX
TECHNOLOGY CORPORATION, LTD

Taiwan: sales@reyax.com
China: sales@reyax.com.cn
http://www.reyax.com

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