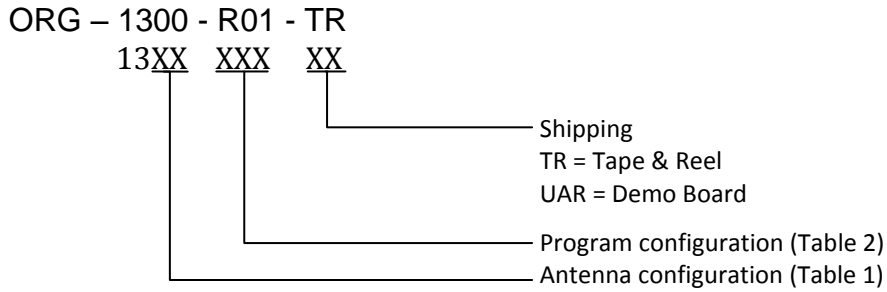


Product Ordering Information



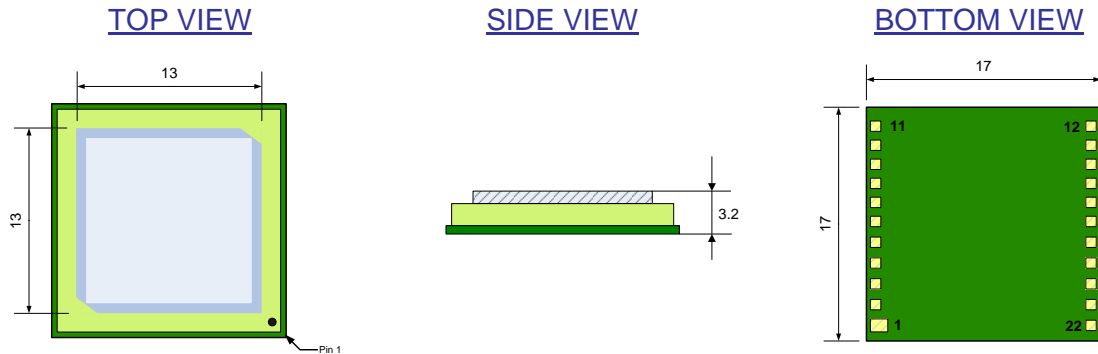
		<b>ORG-1300</b>	<b>ORG-1315</b>	<b>ORG-1318</b>
Ordering code		<b>ORG-1300-xxx</b>	<b>ORG-1315-xxx</b>	<b>ORG-1318-xxx</b>
Average C/N <sub>0</sub> <sup>1</sup>		46 dBm/Hz	49 dBm/Hz	51 dBm/Hz
PCB outline <sup>2</sup>		17mm x 17mm	17mm x 17mm	17mm x 17mm
Dimensions (max.)	Length	17 mm	17 mm	18.5 mm
	Width	17 mm	17 mm	18.5 mm
	Thickness	3.2 mm	4.8 mm	4.8 mm

Table 1: Antenna configuration

1. Averaging of 5 SV's with highest C/N<sub>0</sub> @ -130dBm, HDOP <1.5
2. Footprint and pinout are the same.

The ORG-1300 is low profile GPS Antenna Module.

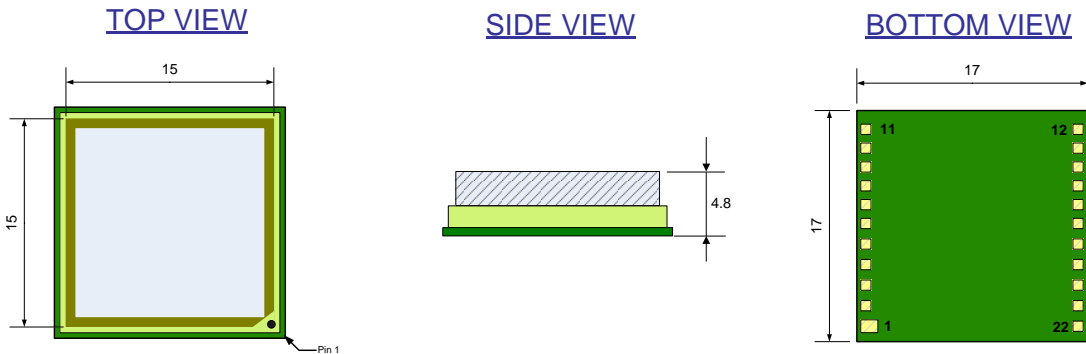
The ORG-1300 designed for applications with height limitation.



All dimensions are in millimeters

Figure 1: ORG-1300 Mechanical Outline Drawing

The ORG-1315 is standard version of the ORG-1300 GPS Antenna Module.



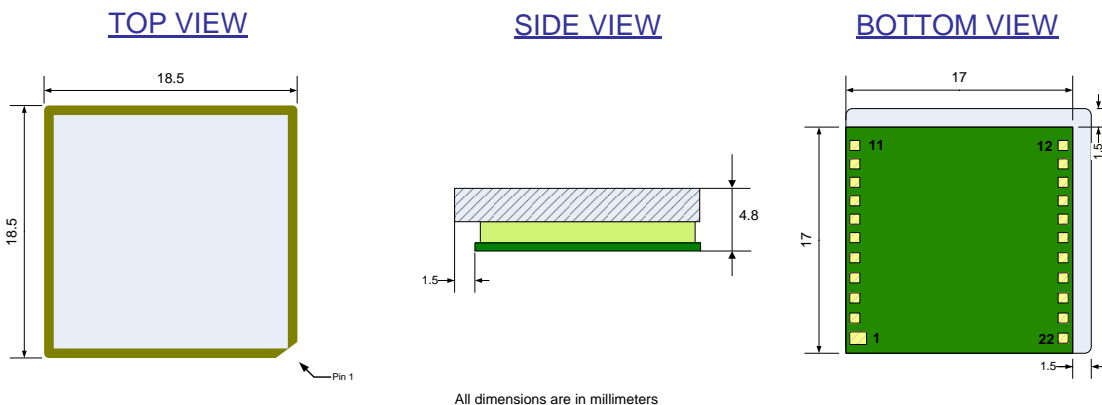
All dimensions are in millimeters

2: ORG-1315 Mechanical Outline Drawing

Figure

The ORG-1318 is accelerated sensitivity version of the ORG-1300 GPS Antenna Module.

The ORG-1318 designed for applications with screening or indirect satellite coverage.



All dimensions are in millimeters

Figure 3: ORG-1318 Mechanical Outline Drawing

The table below indicates ORG-13xx series modules program configuration options.  
 Configuration 1 and 2 are standard ordering options.  
 Configuration 3 is user defined application specific firmware version.

		<b>Configuration 1</b>	<b>Configuration 2</b>	<b>Configuration 3</b>
Ordering code		<b>ORG-13xx-R01</b>	<b>ORG-13xx-R02</b>	<b>ORG-13xx-Fxx</b>
Power On State		Full Power	Hibernate	Full Power
UART data format		NMEA	NMEA	NMEA
UART settings		4,800 bps 8-N-1	57,600 bps 8-N-1	9,600 bps 8-N-1
SPI data format		NMEA	NMEA	N/A
<b>Pin Functions</b>				
ON OFF	Direction	Input	Input	N/A
	Next Toggle	Hibernate	Full Power	
1 PPS	Direction	Output	Output	Output
	No Nav	OFF	OFF	OFF
	Nav	1µs ON @ 1Hz	1µs ON @ 1Hz	1µs ON @ 1Hz
GPIO1	Direction	Output	Output	Application specific
	No Nav	ON	ON	
	Nav	100ms ON @ 1Hz	100ms ON @ 1Hz	
GPIO2	Direction	Output	Output	Application specific
	No Nav	OFF	OFF	
	Nav	100ms ON @ 1Hz	100ms ON @ 1Hz	
COMM_SEL	Direction	Input	Input	N/A
	UART	No Connect	No Connect	
	SPI	GND	GND	
<b>Extended Features</b>				
Navigation	SBAS	OFF	ON	Application specific
	Static Filter	OFF	ON	Application specific
	Track Smoothing	OFF	OFF	Application specific
	Internal DR	OFF	ON	Application specific

Table 2: Program configuration