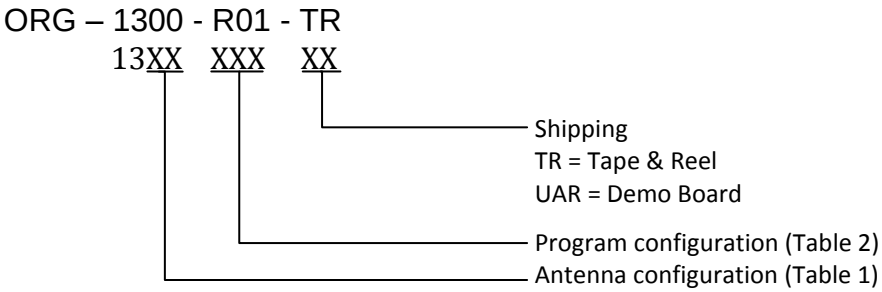
Product Ordering Information



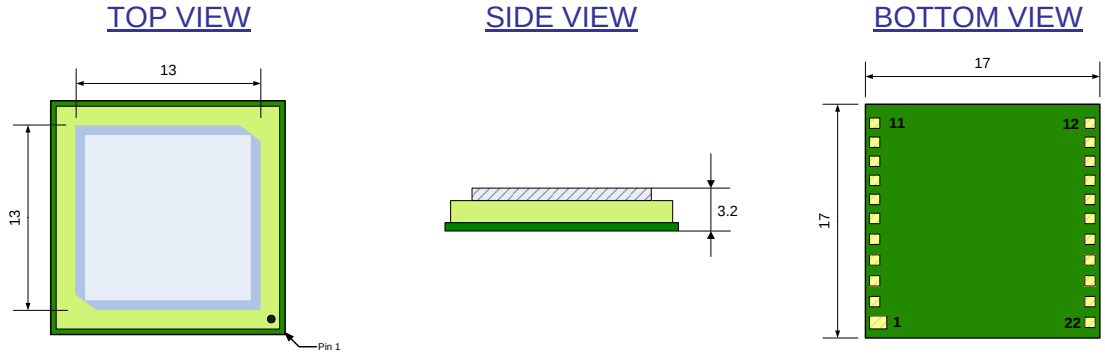
		ORG-1300	ORG-1315	ORG-1318
Ordering code		**ORG-1300-xxx**	**ORG-1315-xxx**	**ORG-1318-xxx**
Average C/N_0[1]		46 dBm/Hz	49 dBm/Hz	51 dBm/Hz
PCB outline[2]		17mm x 17mm	17mm x 17mm	17mm x 17mm
Dimensions (max.)	Length	17 mm	17 mm	18.5 mm
	Width	17 mm	17 mm	18.5 mm
	Thickness	3.2 mm	4.8 mm	4.8 mm

Table 1: Antenna configuration

1. Averaging of 5 SV's with highest C/N_0 @ -130dBm, HDOP <1.5
2. Footprint and pinout are the same.

The ORG-1300 is low profile GPS Antenna Module.

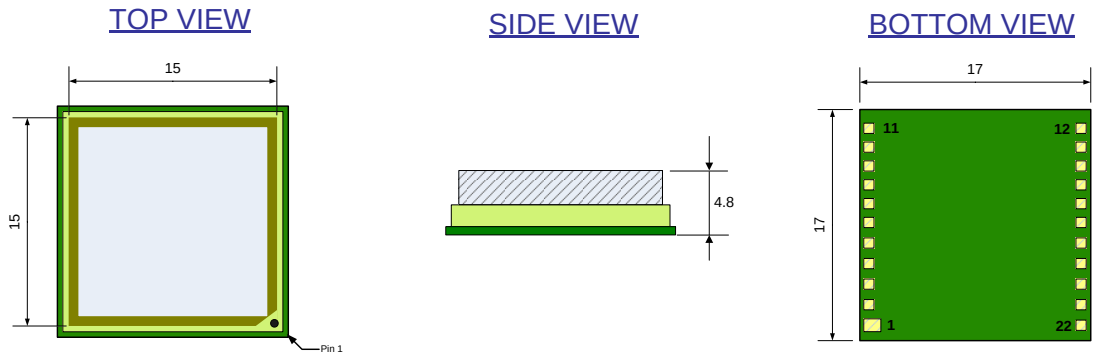
The ORG-1300 designed for applications with height limitation.



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.

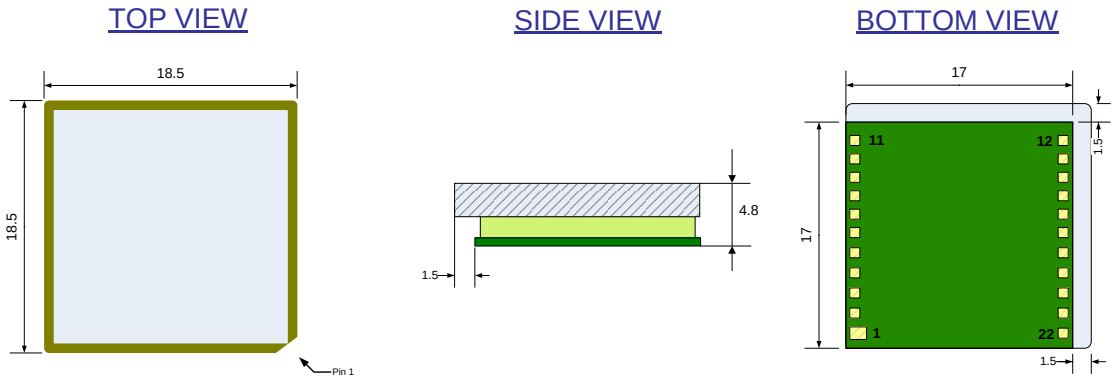


All dimensions are in millimeters

Figure 2: ORG-1315 Mechanical Outline Drawing

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.

		Configuration 1	**Configuration 2**	**Configuration 3**
Ordering code		**ORG-13xx-R01**	**ORG-13xx-R02**	**ORG-13xx-Fxx**
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
Pin Functions				
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	
Extended Features				
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