



Pulse Internal Active Antennas for GNSS (GPS/ Glonass/BeiDou, Galileo) Application

Rev H.04 (April 2019)

App.	Type	Pulse Part number	RF Performance							ME requirement				Note	Availability
			Operating Frequency (MHz)	Antenna Element		LNA			Antenna Dimension (mm)	Overall Dimension (mm)	Connector type	Coaxial Cable (Length; Diameter)			
				VSWR	RHCP Gain (dBic)	Gain (dB)	NF (dB)	Current (mA)					VCC (Vdc)		
GPS	Ceramic patch with LNA and coaxial cable	GPSMOD1315	1575.42 +/- 1.023	1.5 : 1	-1 ± 1	16 ± 1	< 2.4	< 6	3.3-5 ± 0.5	13x13x5	14x15x8.15	U.FL compatible	L:32; D:0.81	1 stage LNA	stock
		GPSMOD1333		1.5 : 1	-1 ± 1	33 ± 2	< 2.4	< 10	3.3-5 ± 0.5	13x13x5	16x17x8.15	U.FL compatible	L:32; D:0.81	2 stage LNA	stock
	Ceramic patch with LNA	GPSMOD2515		1.5 : 1	3.4 ± 1	16 ± 1	< 2.6	< 6	3.3-5 ± 0.5	25x25x4	30x30x8	N/A	N/A (Solder pad for coaxial cable)	1 stage LNA	stock
		GPSMOD2533		1.5 : 1	3.4 ± 1	33 ± 2	< 3.4	< 10	3.3-5 ± 0.5	25x25x4	30x30x8	N/A	N/A (Solder pad for coaxial cable)	2 stage LNA	stock
GNSS (GPS, Glonass, BeiDou, and Galileo)	Ceramic patch with LNA and coaxial cable	GPSGB1315	1561 +/- 2.046, 1575.42 +/- 1.023, and 1602.5625 +/- 4 MHz	2 : 1	-1 ± 1	15 ± 2	< 2.4	< 6	3.3-5 ± 0.5	13x13x5	14x15x8.15	Equivalent of I-PEX MHF 20278-11R-13 or compatible with U.FL connector	L:100; D:1.13	1 stage LNA	stock
		GPSGB1330		2 : 1	-1 ± 1	30 ± 2	< 2.4	< 6	3.3-5 ± 0.5	13x13x5	16x17x8.15		L:100; D:1.13	2 stage LNA	stock
		GPSGB2515		2 : 1	1 ± 1	15 ± 2	< 2.4	< 6	3.3-5 ± 0.5	25x25x4	30x30x8		L:100; D:1.13	1 stage LNA	stock
		GPSGB2530		2 : 1	1 ± 1	30 ± 2	< 2.4	< 6	3.3-5 ± 0.5	25x25x4	30x30x8		L:100; D:1.13	2 stage LNA	stock

Note: Spec of 'Out of band rejection' for LNA can be found on the datasheet (GPSGBXXXX). For more questions, please contact to sales (antennas.us@pulseelectronics.com).