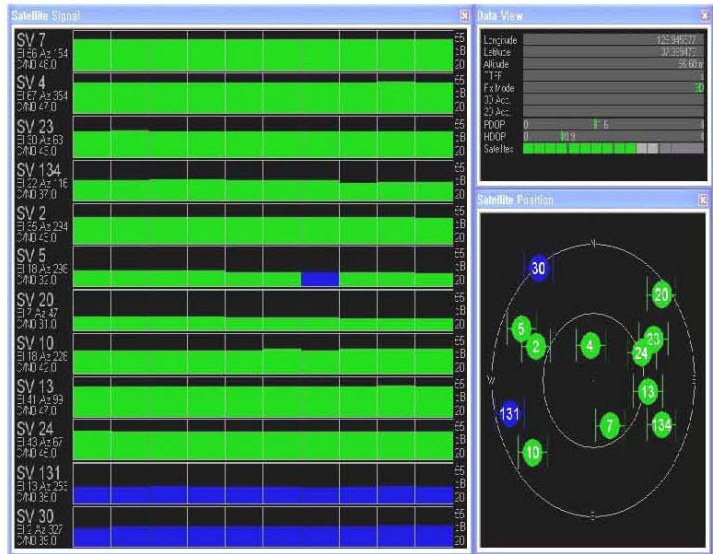
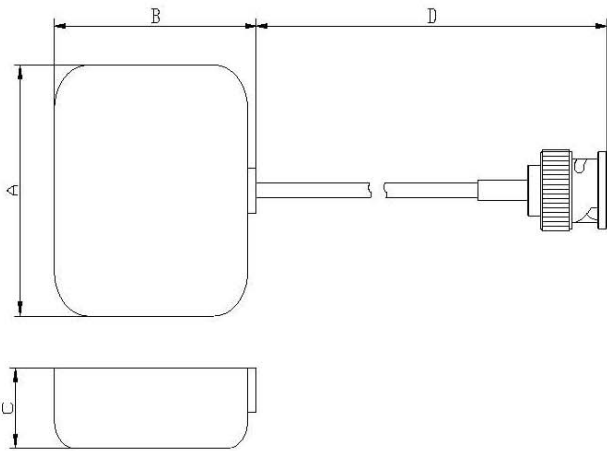


GPS Module(external)



ELECTRICAL SPECIFICATION

Part No.	Frequency Range	Noise Figure	V.S.W.R max	Output Band Rejection	Operation Voltage	Current Consumption	Output Impedance	LNA Gain
	1575.42±5.0	1.5dB Max(+23℃) 2.0dB Max(+90℃)	2.0	-25dBC@1475MHz -30dBC@1675MHz	3.0[V] ±0.3[V]	9mA(typical) 14mA (Max)	50 Ω	30dB typical

MEASUREMENT TEST SPECIFICATION

Part No.	DIMENSION (A)	DIMENSION (B)	HEIGHT (C)	RF Cable (D)	RF Connector	RECEIVE SATELLITE NO	SNR	GPS SIMULATOR TEST	PDOP
RU1530111A	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 3000[mm] ±10[mm]	SMA—50Ω	> 5	< 5.0	Ca. / No. ≥ 50	> 46 (2 of 5)
RU1530131B	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 5000[mm] ±10[mm]	BNC—50Ω	> 5			
RU1530141A	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 3000[mm] ±10[mm]	TNC—50Ω	> 5			
RU1530171B	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 5000[mm] ±10[mm]	50Ω	> 5			
RU1530181A	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 3000[mm] ±10[mm]	MCX—50Ω	> 5			
RU1530191B	45 ± 0.40mm	47 ± 0.40mm	14.5±0.20mm	RG174, 5000[mm] ±10[mm]	MMCX—50Ω	> 5			