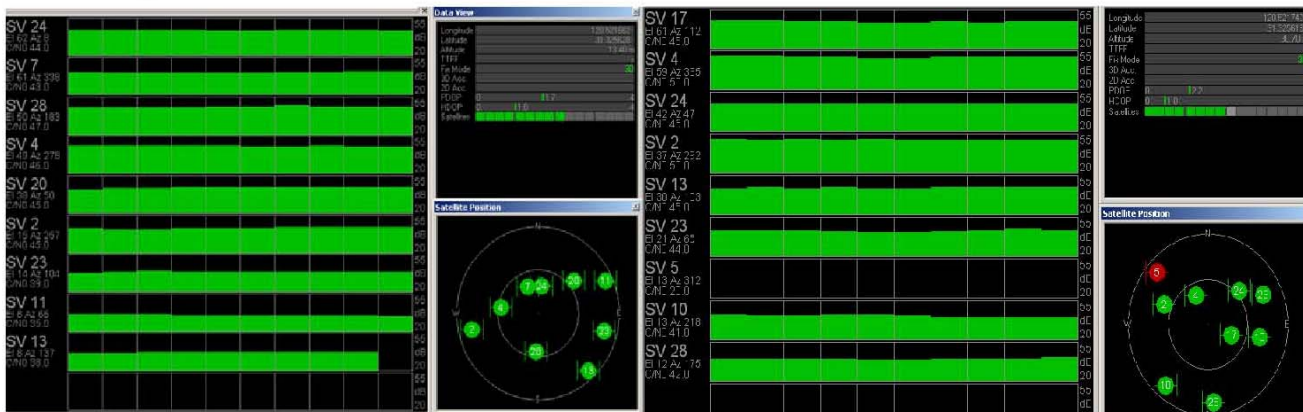
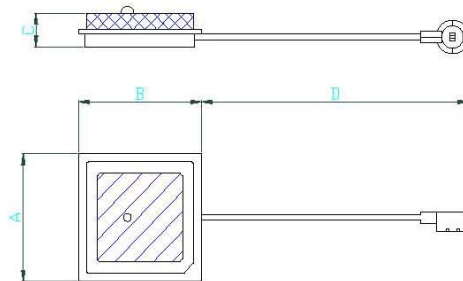
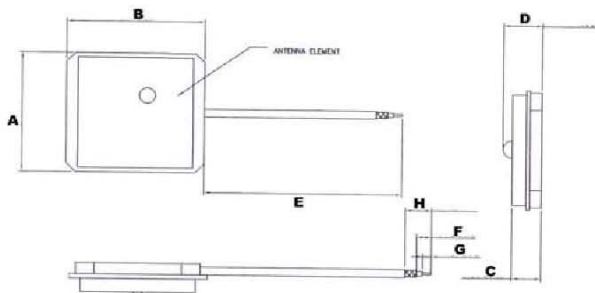


GPS Module(internal)



ELECTRICAL SPECIFICATION

Part No.	Frequency Range	Noise Figure	VSWR max	Output Band Rejection	Operation Voltage	Current Consumption	Output Impedance	LNA Gain
RU1530170A	1575.42±5.0	1.5dB Max(+23°C)	2.0	-25dB @1475MHz	3.0±0.3[V]	9mA(typical) 14mA (Max)	50 Ω	30dB
RU1524170A		2.0dB Max(+90°C)		-30dB @1675MHz				24dB typical
RU15211A0A	1575.42±5.0	2.0dB Max (+23°C)	2.0	-25Dbc @1475MHz -30dB @1675MHz	3.0±0.3[V]	17mA(typical) 22mA (Max)	50 Ω	21dB typical

MEASUREMENT TEST SPECIFICATION

Part No.	DIMENSION (A)	DIMENSION (B)	HEIGHT (D)]	RF Cable (E)	RF Cable (F)(G)(H)	RECEIVE SATELLITE No	SNR	GPS SIMULATOR TEST	PDOP
RU1530170A RU1524170A	27.00 ± 0.60mm	30.00 ± 0.25mm	6.60 ± 0.36[mm]	RG178, 43.18± 1.27[mm]	3.17/1.90/5.71 ±0.3[mm]	> 5	<5.0	Ca. / No. ≥ 50	> 46 (2of5)
RU15211A0A	23± 0.20mm	23± 0.20mm	6.1± 0.20mm	UFL 50 ± 0.5 [mm]	RF Connector IPEX-M 50Ω				