

Unless noted otherwise, the specifications are measured with +5VDC, CW Operation, 12 kΩ load and at ambient temperature +25°C.

Parameters	Notes	HB100	HB110	HB210	HB310	HB410	HB510	Units
Frequency Setting	1	10.525	10.525	9.90	10.687	9.35	10.587	GHz
Radiated Power (EIRP)	1	20 dBm max	14 dBm max					dBm
Spurious Emission	1	25 mV/m @3 m	-30 dBm max					dBm
Received Signal Strength	2	100 to 200						μVp-p
Noise	3	4 μVrms typ	2 μVrms typ					μVrms
Antenna Beam-width		Azimuth: 80 Elevation: 40						°
Power Supply		5 V, 30mA						mA
Pulse Operation		Pulse Amplitude: 5V; PRF: 2KHz; PW: 20μsec typ						kHz
Operating Temperature		-15 ~ 55						°C
Outlines		Diagram A	Diagram B					
Weight		8	17					gm
Compliance	1	FCC Part 15	ETS 300 440					
Applicable country	1	USA, Canada	Belgium, Netherlands	Italy, France	UK (indoor)	German	UK (Outdoor)	

**Note 1 :** The radiated emissions are regulated by local authority and the regulations are subjected to change from time to time. Please check with the local Authority in country of installation for latest information.

**Note 2 :** The Received Signal Strength (RSS) is measured at the total 2 ways path loss of 93dB. Specifications of various models are different; please refer to specific model's technical data sheet.

**Note 3 :** The noise voltages are measured from 10 Hz to 100 Hz at Output port, inside Anechoic chamber.

**Note 4 :** The data indicated are for reference only, always refer to technical data sheet of specific model for latest information.

**Note 5 :** The design, manufacturing process and specifications of this device are subject to change without prior notice.



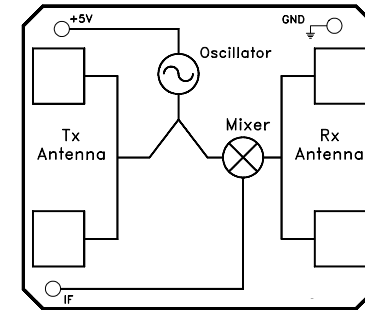
# HB SERIES SELECTION LIST



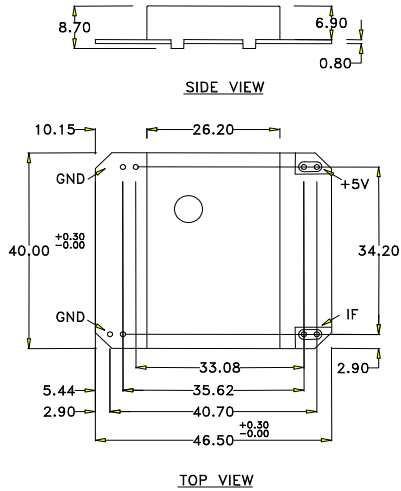
Diagram A : HB100



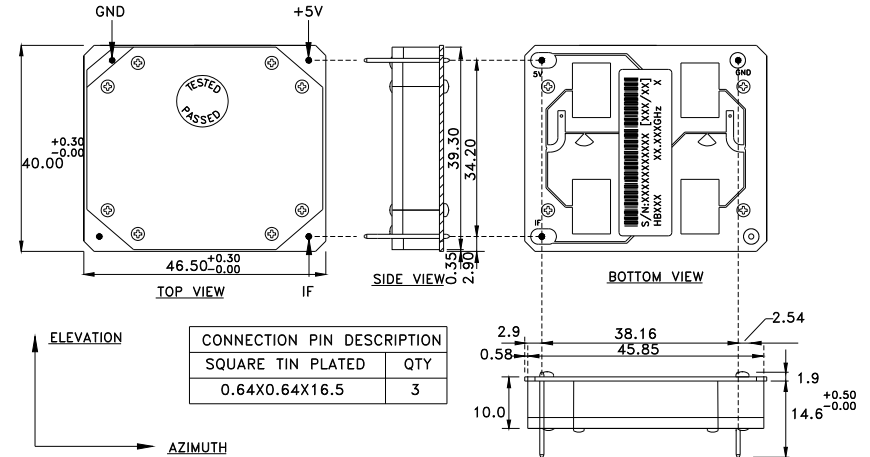
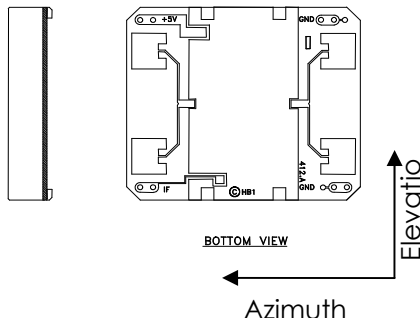
Diagram B :  
HB110/210/310/410/510



Block Diagram &  
Connection



CONNECTION HOLE CHART		
DIAMETER	QTY	PLATED THRU
1.0	8	YES



CONNECTION PIN DESCRIPTION	
SQUARE TIN PLATED	QTY
0.64X0.64X16.5	3

VER 1.02

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Attention:  
Observe precautions for  
handling electrostatic  
sensitive devices.



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