

Product Specification Titanis 2.4 GHz Swivel SMA Antenna





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1. FEATURES

- -Designed for 2.4 GHz applications [Bluetooth[™], WiFi[™] (802.11b/g), Zigbee[™], WiMedia[™] etc.]
- Also available as reversed thread (left) to meet FCC regulation part 15
- Intended for SMA mounting
- Supplied in bulk

2. DESCRIPTION

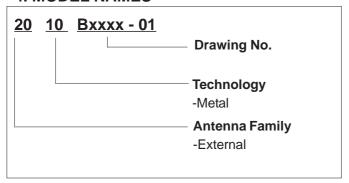
The Titanis antenna is intended for use with all 2.4 GHz applications. The antenna is fitted with an SMA male connector and a blade, made of a flexible material that can be rotated 360 degrees. No external matching net is required. Titanis is available as standard SMA and reversed thread SMA.

3. APPLICATION

- Development tools
- Test equipment
- Instruments
- Access points and gateways
- Printers



4. MODEL NAMES



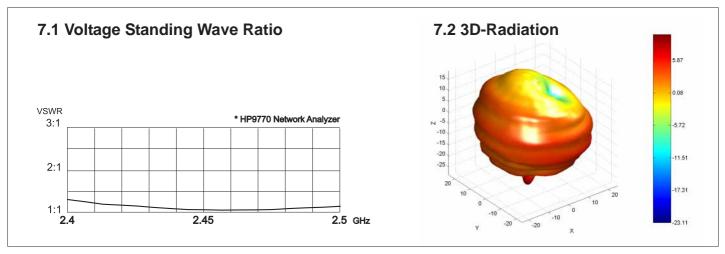
5. GENERAL DATA

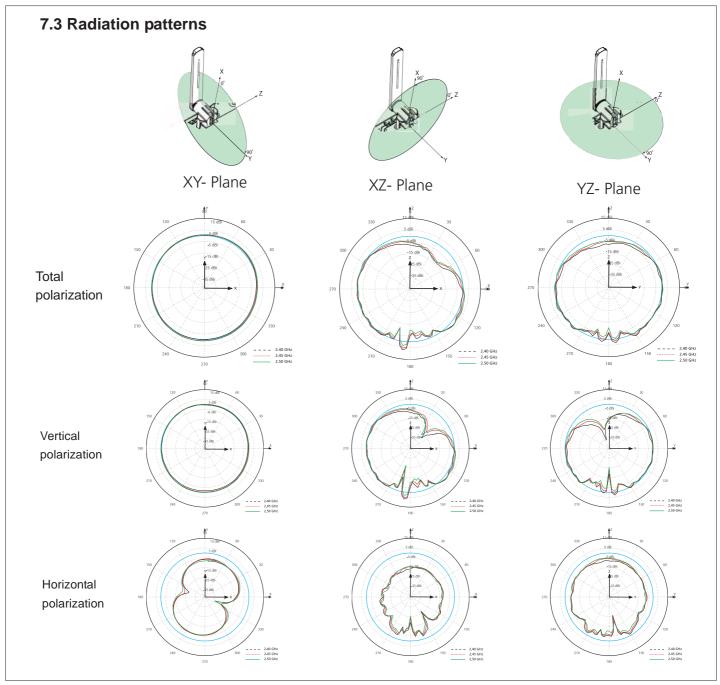
Product Name	Titanis 2.4 GHz
Article No.	2010B4844-01 (Standard)
Article No.	2010B6090-01 (Reverse thread)
Frequency	2.4-2.5 GHz
Polarization	Linear
Operating temperature	-40 to + 85 degC
Impedance	50 Ohm
Weight	7.4 gram
Antenna type	Swivel

6. ELECTRICAL CHARACTERISTICS

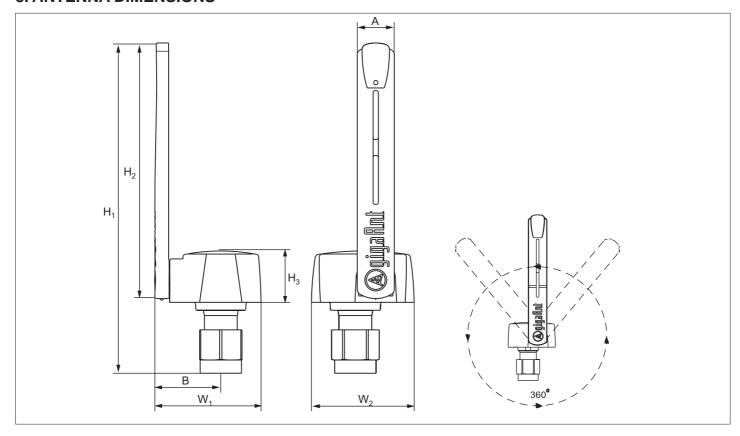
	C	Characteristic	S	- Conditions*	
	Min	Тур	Max	Conditions	
Peak Gain	4.0 dBi	4.1 dBi	4.4 dBi	Frague nov. 2.4.2.5. CUT. Magazinad in 2D absorb on / near field)	
Efficiency	80%	85%	90%	Frequency 2.4-2.5 GHz, Measured in 3D chamber (near field)	
VSWR	1.1:1	1.2:1	1.3:1	Frequency 2.4-2.5 GHz, Measured in Network Analyzer	
*Note all data provided in this table are based on the gigaAnt reference board					

7. ELECTRICAL PERFORMANCE





8. ANTENNA DIMENSIONS

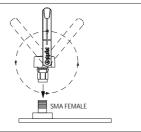


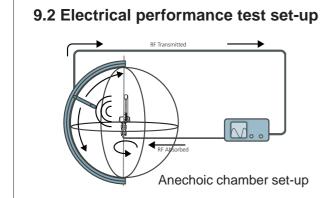
Α	В	H1	H2	Н3	W1	W2
		Height	Height	Height	Width	Width
7±0.2	12.5±0.5	62.5 ±0.5	48.3 ±0.5	9.5±0.5	20±0.3	19.5±0.3
Dimensions in millimeter						

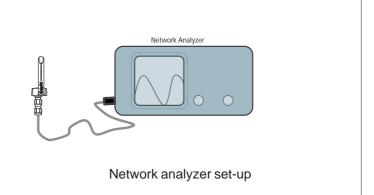
9. ELECTRICAL INTERFACE

9.1 Connection

Titanis is fitted with an internal matching net. Connect the antenna directly to an SMA Female connector.









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10. RELIABILITY

10.1 Temperature and Humidity

ltem	Standard	Low	High	Duration
Operating temperature	EN/IEC 60068-2-2, Test Bd: Dry heat	-30 degC	+90 degC	-
Temperature cycling	EN/IEC 60068-2-14, Test Na: Change of temperature	-40 degC	+90 degC	500 cycles / 10 min
Storage life Humidity	EN/IEC 60068-2-1, Test Ca: Damp heat	+60 degC / 90% RH		500 h
Storage life Low temperature	EN/IEC 60068-2-1, Test Ad: Cold	-55 degC	-	500 h
Storage life High temperature	EN/IEC 60068-2-2, Test Bb: Dry heat	-	+125 degC	500 h

10.2 Judgement standard

The judgement of the above tests should be made as follows:

- 1. Visual inspection Normal apperance with no obvious cracking, peeling-off.
- 2. Electrical inspection The antenna satisfies the VSWR specification throughout the 2.4-2.5 GHz band

11. HAZARDOUS MATERIAL REGURATION CONFORMANCE

Cadmium and cadmium compound.

Organic brominated compound (PBB, PBDE)

Polychlorinated biphenyl (PCB)

Polychlorinated naphthalene (PCN)

Lead and lead compound

Mercury and mercury compound

Sexivalent chrome compound

Chlorinated paraffin (CP)

Organic tin compound Mirex

Asbestos Formaldehyde

Azo compound Tetra-bromo-bisphenol-A-bis (TBBP-A-bis)



12. PACKAGING

12.1 Shelf storage recommendation

Temperature	-10 to +40 degree C
Humidity	Less than 75% RH
Shelf Life	48 Months
Storage place	Away from corrosive gas and direct sunlight

12.2 Packaging characteristics

The antennas are delivered in bulk enclosed in plastic bags

12.3 Bag label information

Anhapip

gigaAnt Article number : Description : Reel Quantity : Order No: Date:

Product name, Frequenzy Hz XXXX Pcs.
Customer PO number
YYMMDD

13. CONTACT INFORMATION

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