

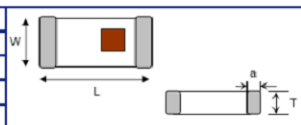
## ANTENNA SPEC

### 1. 2.4GHz-Zigbee Antenna

1. Antenna type : Ceramic Chip Antenna
2. Antenna size : 9.5 X 2 mm
3. Transmitter connection type : PCB SMD Type
4. Manufacturer / Model : JOHANSON / 2450AT45A100
5. Antenna Gain : 1dBi
6. Antenna Propagation: Linear

**Mechanical Dimensions**

	In	mm
L	0.374 ± 0.008	9.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.047 +0.004/-0.008	1.20 +0.1/-0.2
a	0.020 ± 0.012	0.50 ± 0.30



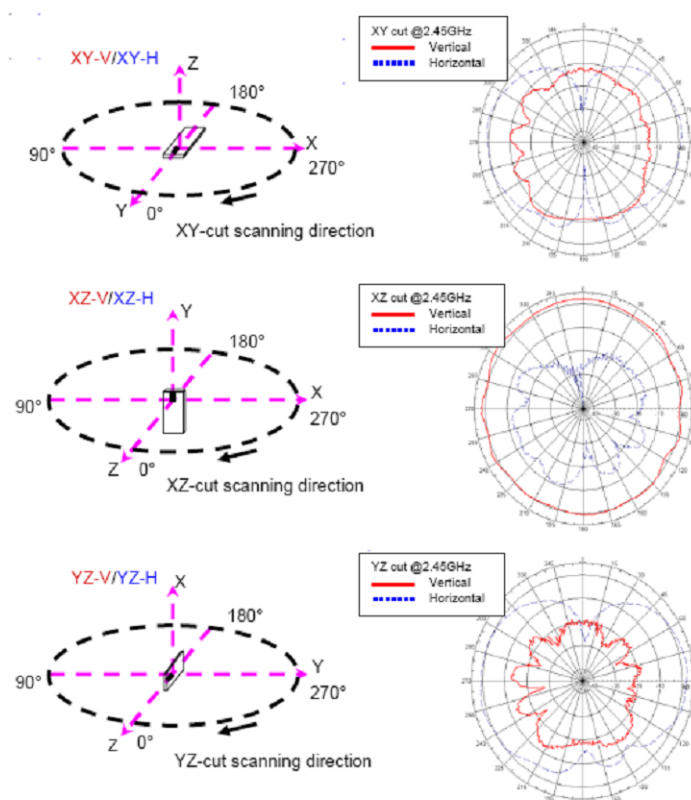
#### 2.45 GHz Antenna

Detail Specification: 07/07/06

P/N 2450AT45A100

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**Typical Radiation Patterns**



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## 2. 13.56MHz RFID Loop Antenna

1. Antenna type : PCB Loop Antenna
2. Antenna size : 30 X 30 mm
3. Transmitter connection type : PCB Connector Type
4. Manufacturer / Model : URND / ZiGi-50M
5. Antenna Propagation: Linear

