

## LTCC Multi Layer Ceramic Chip Antenna- 8.0mm x 6.0mm size

- **RFANT8060101YAT**

### FEATURES

1. Surface Mounted Devices with a small dimension of 8.0 X 6.0 X 1.0 mm<sup>3</sup> meet future miniaturization trend.
2. LTCC process
3. High stability in Temperature / Humidity Change
4. Multilayer ceramic antenna (chip antenna)
5. Reel Packaging



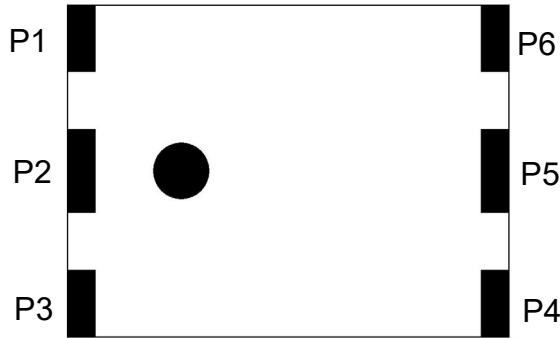
### APPLICATIONS

1. 3000 ~ 10000 MHz working Frequency

### Recommended Link Parts

Product Category	Walsin PN	description	Remark
capacitor	RFxxN	high Q MLCC	matching circuit
chip antenna	AMANT3216110Y1T	automotive version, 3.2 X 1.6 mm	other choice
chip antenna	RFANT3216110Y1T	6240 ~ 8500 MHz, 3.2 X 1.6 mm	other choice

**CONSTRUCTION**



PIN	Connection
1	GND
2	Feeding
3	GND
4	Soldering Terminal
5	Soldering Terminal
6	Soldering Terminal

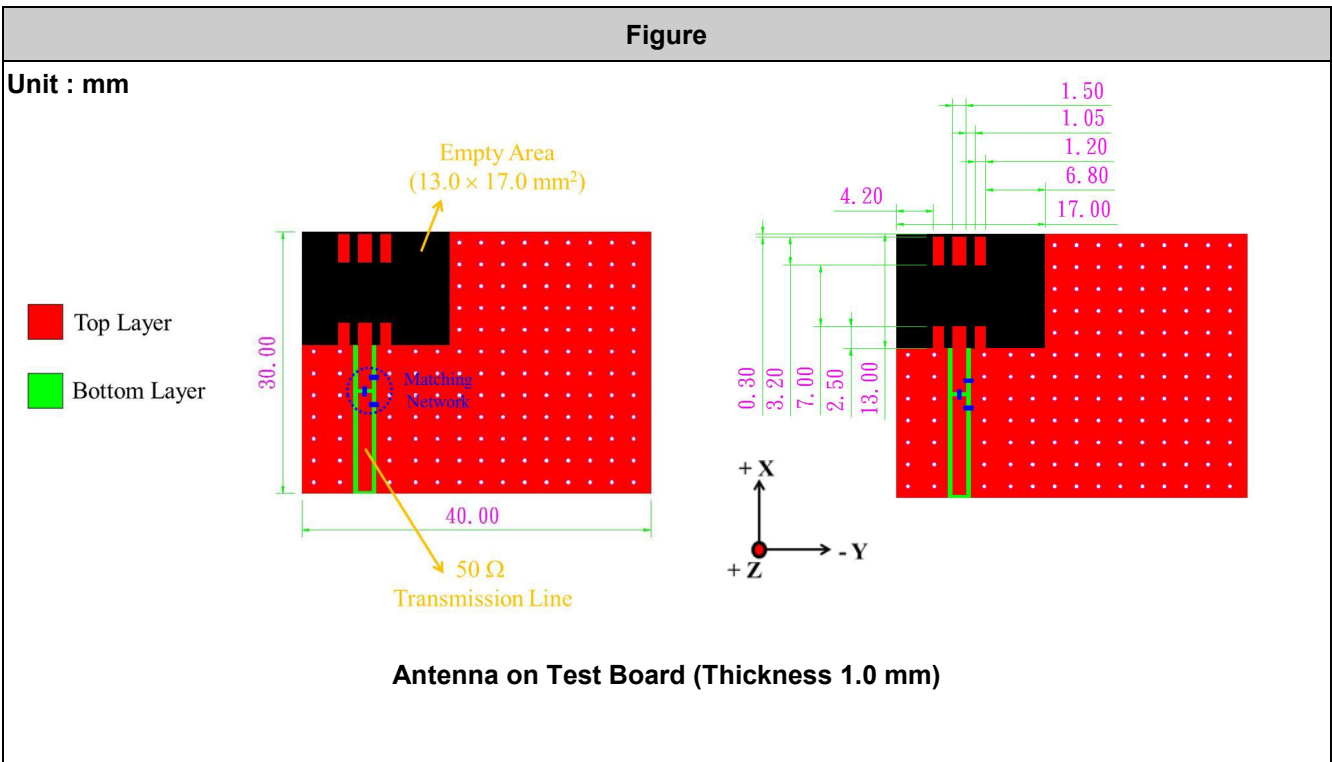
**DIMENSIONS**

Figure	Symbol	Dimension (mm)
	L	8.00 ± 0.30
	W	6.00 ± 0.30
	T	1.00 ± 0.20
	A	1.50 ± 0.30
	B	1.20 ± 0.30
	C	1.05 ± 0.30
	D	0.50 ± 0.30

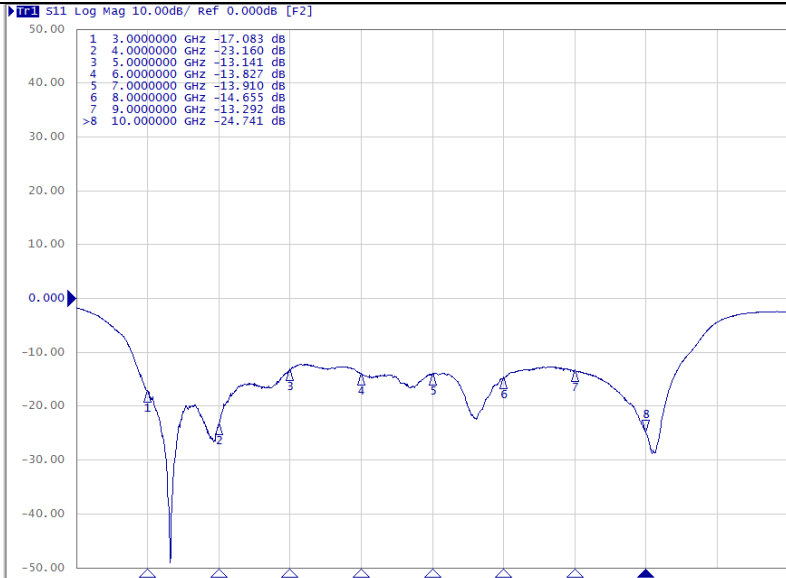
**ELECTRICAL CHARACTERISTICS**

<b>RFANT8060101YAT</b>	<b>Specification</b>
Working Frequency Range	3000 ~10000 MHz
Fc	6500 MHz
VSWR	2 max.
Gain	1.5 ~ 4.5 dBi
Power Capacity	3 W max.
Maximum Input Power	5 Watts for 5 minutes
Polarization	Linear
Moisture sensitivity levels	MSL is LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)
HBM ESD	Pass 1KV on all pins (Base on AEC-Q200-002)
MM ESD	Pass 200V (Base on EIA/JESD22-A115)
<b>Operating &amp; Storage Condition (Component)</b> Operation Temperature Range: - 40°C ~ +85°C Storage Temperature Range: - 40°C ~ +85°C	
<b>Storage Condition before Soldering (Included packaging material)</b> Storage Temperature Range: +5 ~ +40 °C Humidity: 30 to 70% relative humidity	

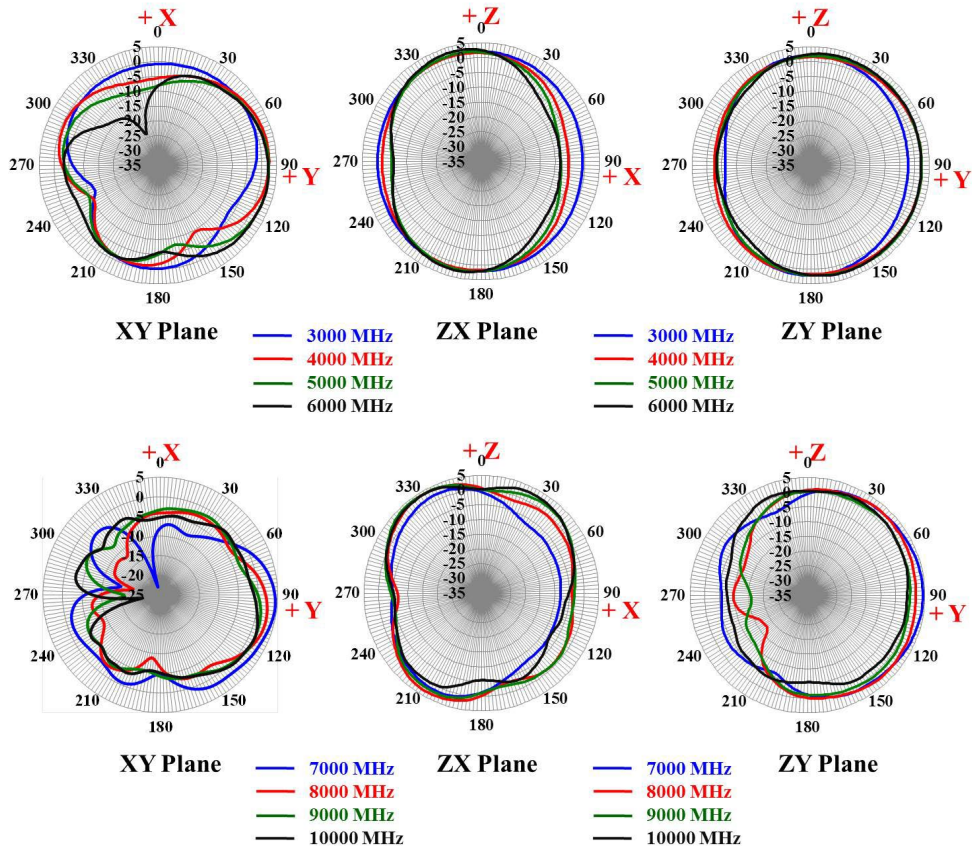
**SOLDER LAND PATTERN DESIGN**



**Antenna S11 on Test Board**



**RADIATION PATTERNS**



**CONTACT INFORMATION**

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**Specification subject to change without prior notice**