

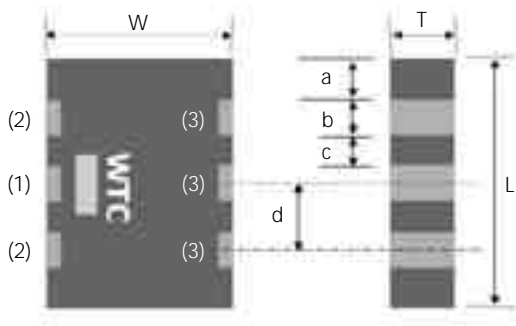
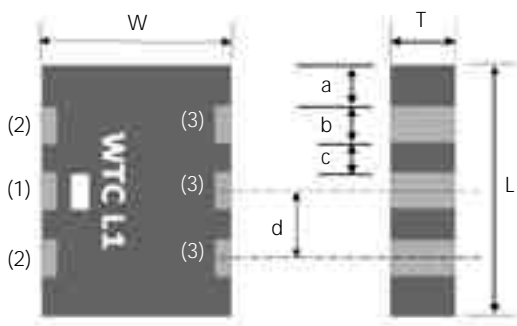
RF DEVICES & HIGH FREQUENCY INDUCTORS

2.4/ 4.9/ 5.2/ 5.8 GHz WLAN IEEE802.11 a/b/g Combo-Chip Antenna-RFANT6050110L0/L1T

How to Order

RF	ANT	605011	0	L	0	T
<u>Walsin</u>	<u>Product code</u>	<u>Dimension code</u>	<u>Unit of dimension</u>	<u>Application</u>	<u>Specification</u>	<u>Packing</u>
RF Device	ANT : Antenna	605011 = Length = 60 Width = 50 Thickness = 11	0 : 0.1 mm 1 : 1.0 mm	L: 2.4/ 4.9/ 5.2/ 5.8 GHz Multiband Application	Code from 0 ~ 9 dependent on different electrical specification	T: 7" Reeled G: 10" Reeled B: Bulk X: SFC product

Dimensions

RFANT6050110LOT			RFANT6050110L1T		
					
Symbol	Dimension	Port Definition	Symbol	Dimension	Port Definition
L	5.9 ± 0.3 mm	---	c	1.0 ± 0.2 mm	---
W	5.1 ± 0.3 mm	---	d	2.0 ± 0.2 mm	---
T	1.1 ± 0.1 mm	---	1	1.0 ± 0.2 mm	50 RF Feeding
a	0.45 ± 0.2 mm	---	2	1.0 ± 0.2 mm	Ground Termination
b	1.0 ± 0.2 mm	---	3	1.0 ± 0.2 mm	Solder Termination

RFANT6050110L0/L1T Series

Item	Specification		
Central Frequency	2.45 GHz	5.25 GHz	5.85 GHz
Gain (Typical)	1.5 dBi	4 dBi	4 dBi
Bandwidth (Typical)	100 MHz	200 MHz	100 MHz
VSWR	2 Max.		
Polarization	Linear		
Azimuth Bandwidth	Omni-directional		
Impedance	50		

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Typical Electrical Characteristics:

RFANT6050110L0T (Right side)		2.45GHz	5.80GHz
		<p>E-Plane</p> <p>Peak Gain = +4.74 dBi Average Gain = -1.46dBi</p>	<p>Peak Gain = +4.99dBi Average Gain = -1.31dBi</p>
<p>Return Loss (S11)</p>		<p>H-Plane</p> <p>Peak Gain = +0.48dBi Average Gain = -4.59dBi</p>	<p>Peak Gain = +3.02dBi Average Gain = -0.85dBi</p>
RFANT6050110L1T (Left side)		2.45GHz	5.80GHz
		<p>E-Plane</p> <p>Peak Gain = +3.82dBi Average Gain = -1.19dBi</p>	<p>Peak Gain = +4.81dBi Average Gain = -1.42dBi</p>
<p>Return Loss (S11)</p>		<p>H-Plane</p> <p>Peak Gain = +0.16dBi Average Gain = -4.33dBi</p>	<p>Peak Gain = +3.13dBi Average Gain = -0.85dBi</p>