

Original Design Chip Antenna Data Sheet

- P/N : SDBTPTR3015 -

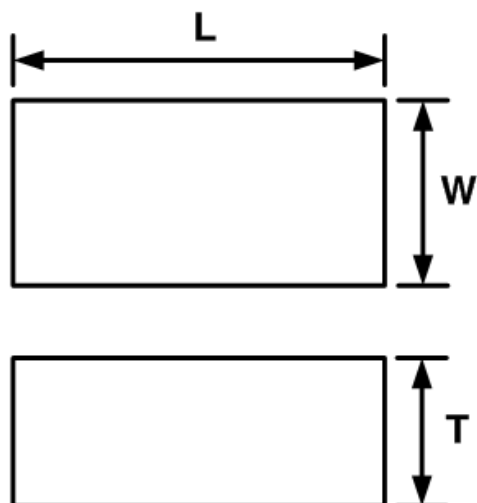
- Application Frequency	
	Band[MHz]
Bluetooth	2400 ~ 2485

Dielectric Chip Antenna

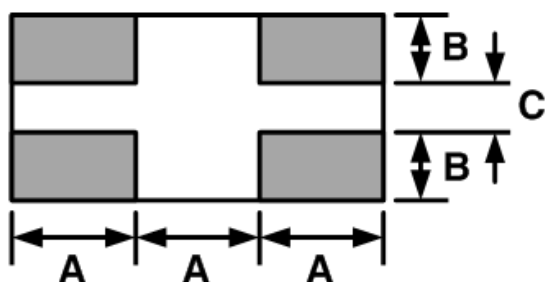


■ SDBTPTR3015 Dimension

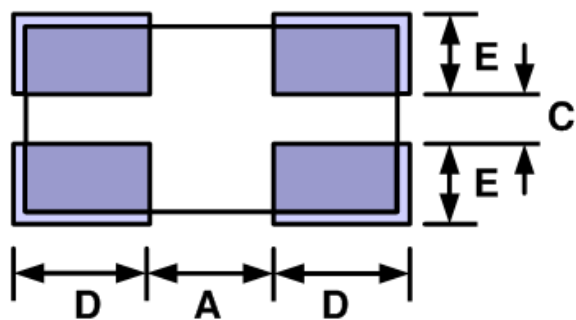
Chip Antenna Dimension



Chip Antenna
Soldering Pad Dimension



PCB
Soldering Land Dimension



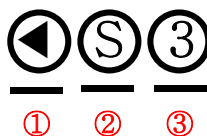
Parameter	L	W	T	A	B	C	D	E
Value[mm]	3.0 ± 0.1	1.5 ± 0.1	1.2 ± 0.1	1.0	0.55	0.4	1.1	0.65

Unless Specified tolerances are ± 0.05 mm

Dielectric Chip Antenna

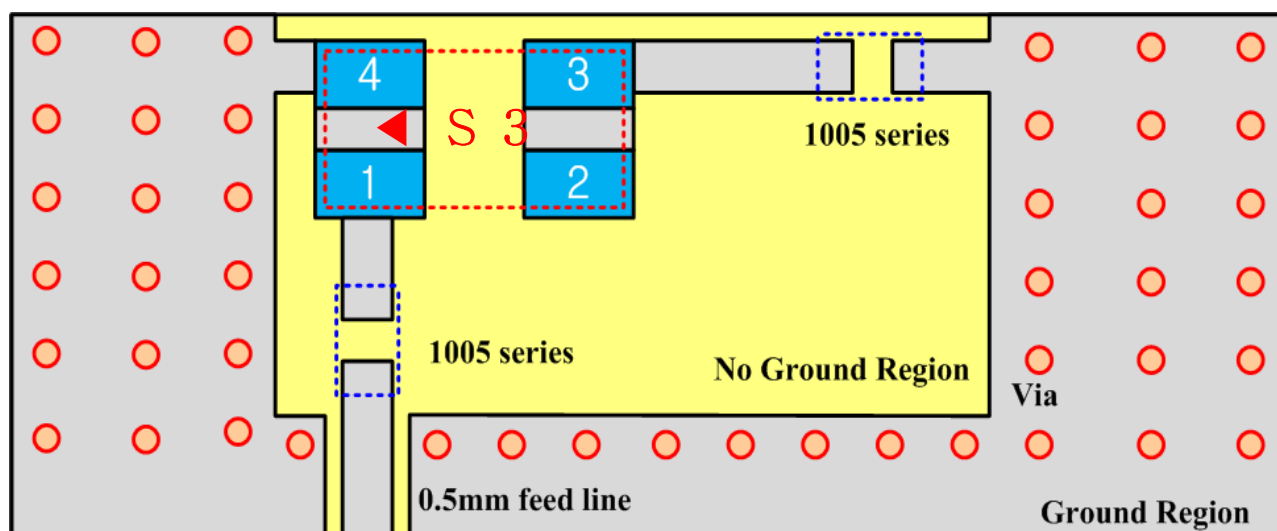


Antenna Marking System



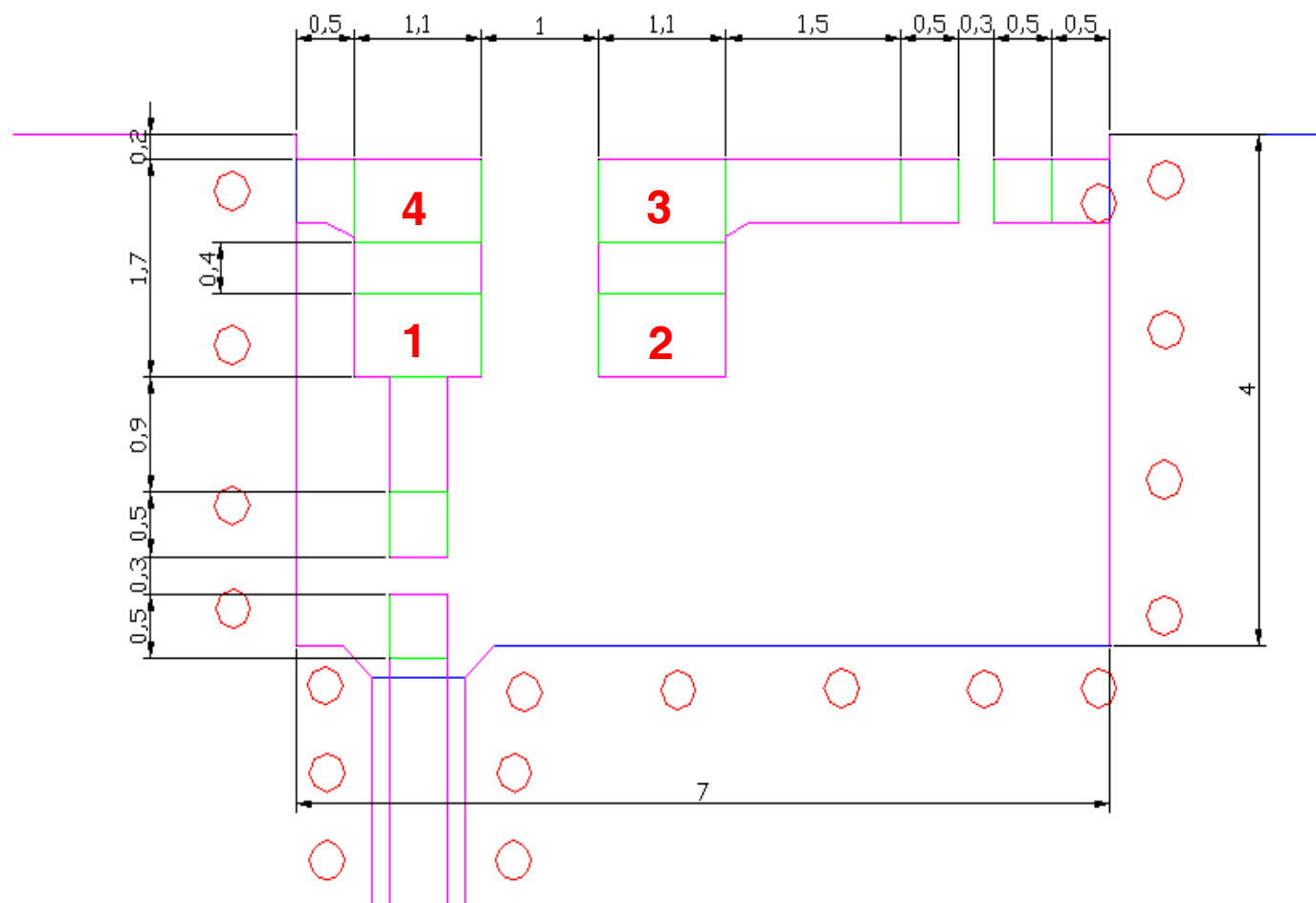
ITEM	DESCRIPTION					
① Input Signal	Input Signal					
② Serial	SDBTPTR3015					
③ Month	1	2	3	4	5	6
	January	February	March	April	May	June
	7	8	9	A	B	C
	July	August	September	October	November	December

Antenna PAD Information



Dielectric Chip Antenna

■ AutoCAD Drawing of Reference PCB Design for SDBTPTR3015 Product



Dielectric Chip Antenna



PCB Drawing

Top View	Case #1 <Default>		
	Case #2		
	Case #3		
	Case #4		
Bottom View			<Equivalent Circuit>

Dielectric Chip Antenna



■ Matching Value

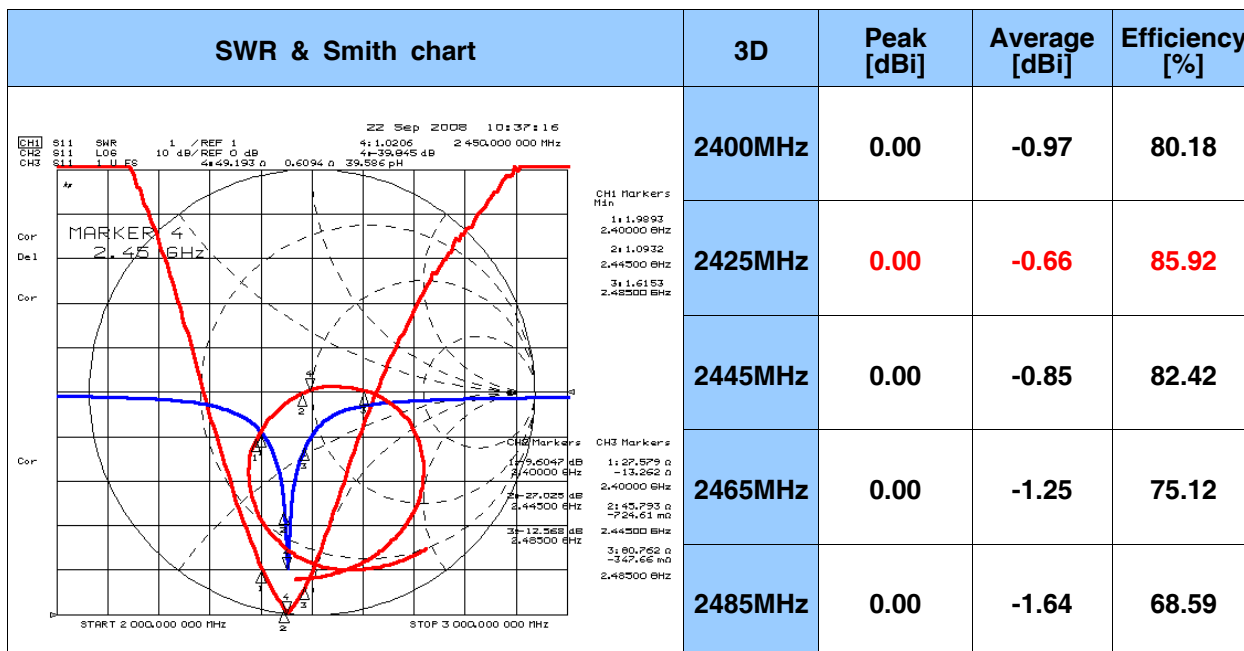
Band (MHz)	Matching Value (Default)
Bluetooth / WiFi / Zigbee (2400 ~ 2485)	<pre>graph LR Ant[Ant.] --- C1[1.8pF] --- GND1[Ground] Ant --- C2[100pF] C2 --- C3[100 pF] C3 --- GND2[N/C to Ground] C3 --- GND3[N/C to Ground] C3 --- Conn[Connector]</pre>

Dielectric Chip Antenna



- 3D Passive Gain For Bluetooth / WiFi / Zigbee

Test Result for Ver 0.0



Radiation Pattern Ver 0.0

