

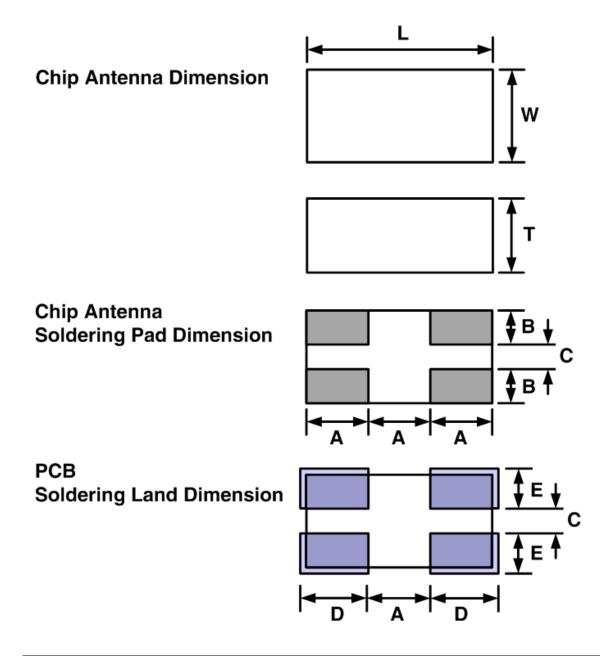
Original Design Chip Antenna Data Sheet

- P/N: SDBTPTR3015 -

- Application Frequency				
	Band[MHz]			
Bluetooth	2400 ~ 2485			
WiFi / Zigbee	2400 ~ 2485			
S-DMB	2630 ~ 2655			
Wibro	2300 ~ 2390 band1 : 2300 ~ 2327 band2 : 2331.5 ~ 2358.5 bnad3 : 2363 ~ 2390			



■ SDBTPTR3015 Dimension

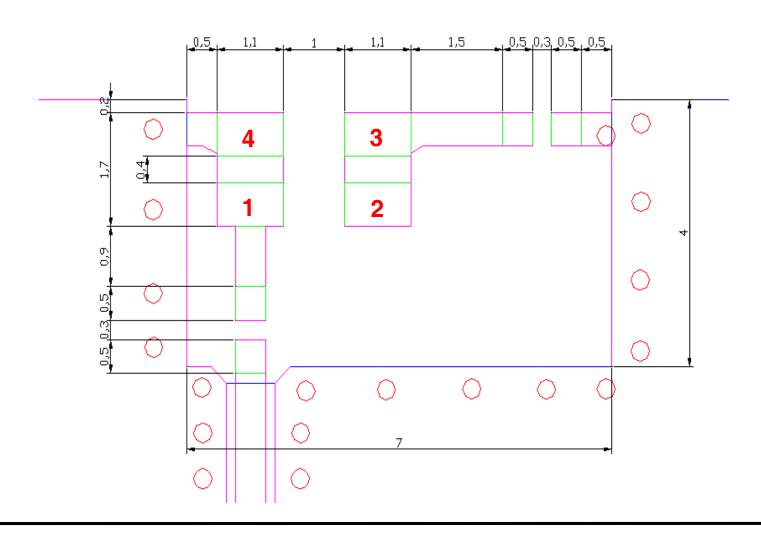


Parameter	L	w	Т	Α	В	С	D	E
Value[mm]	3.0 ± 0.1	1.5 ± 0.1	1.2 ± 0.1	1.0	0.55	0.4	1.1	0.65

Unless Specified tolerances are ± 0.05 mm



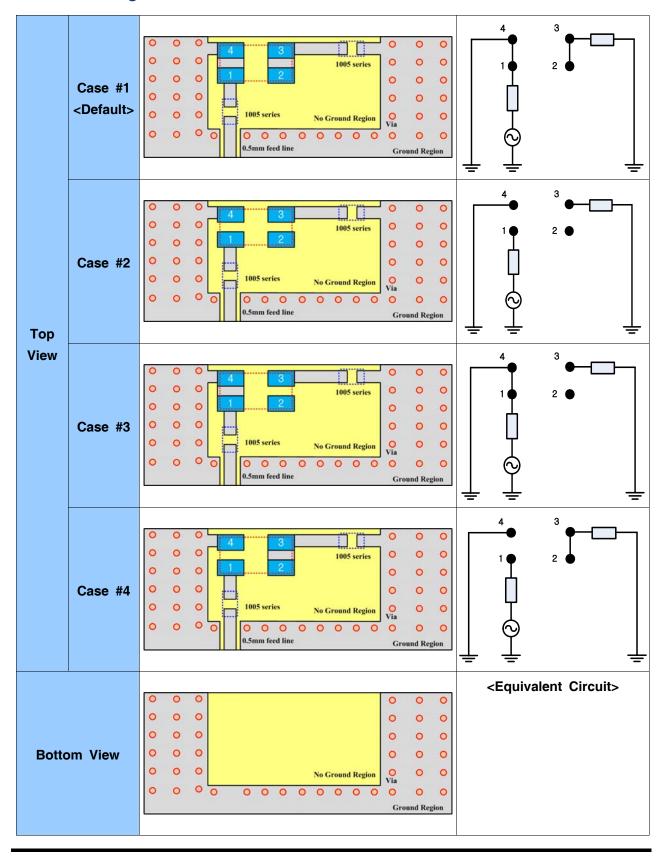
■ AutoCAD Drawing of Reference PCB Design for SDBTPTR3015 Product



Dielectric Chip Antenna Ppartron

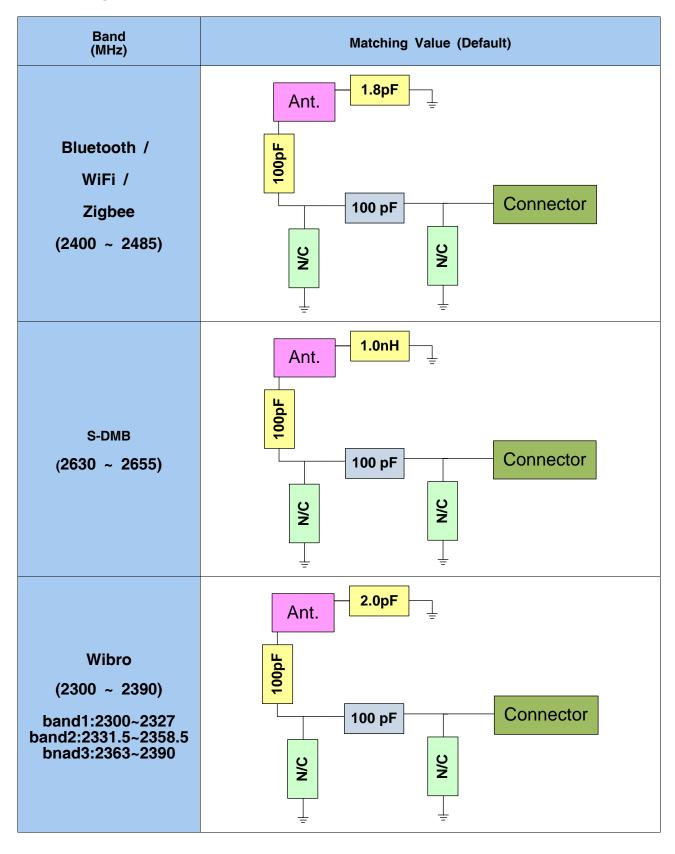


■ PCB Drawing





■ Matching Value

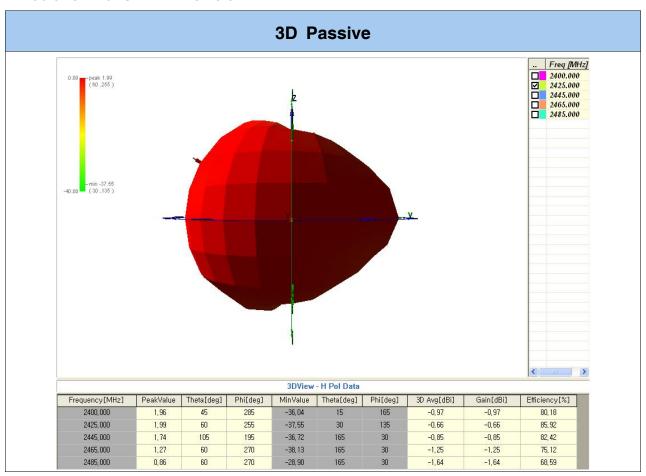




- 3D Passive Gain For Bluetooth / WiFi / Zigbee
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
22 Sep 2008 10:37:16 CHI SII SHR 1 / REF 1	2400MHz	1.96	-0.97	80.18
Cor MARKER 4 1 1.1.0903 2.40000 6Hz 2.1.0932 2.44500 6Hz 2.1.0932 2.45500 6Hz 3.1.6153 2.45000 6Hz	2425MHz	1.99	-0.66	85.92
	2445MHz	1.74	-0.85	82.42
Cor CH3 Markers CH3 Markers CH3 Markers (M-6,647-8B 1: 27,879 0. 13,262 0. 13,262 0. 14,4500 6Hz 2.44500 6Hz 2.445	2465MHz	1.27	-1.25	75.12
3: 60,762 a -347.66 in 2:46500 BHz	2485MHz	0.86	-1.64	68.59

■ Radiation Pattern Ver 0.0

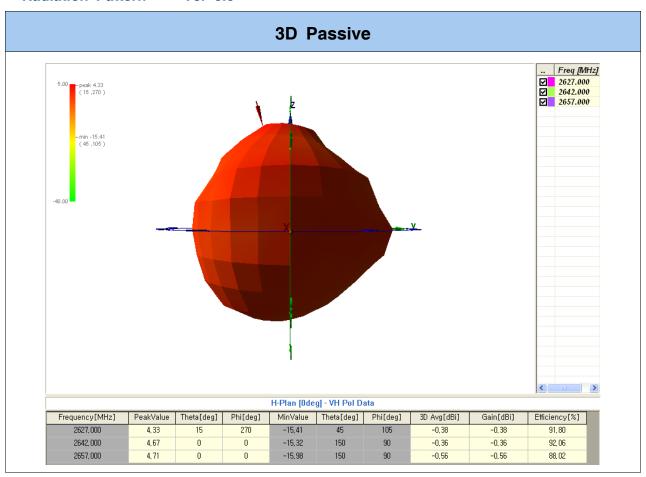




- 3D Passive Gain For S-DMB
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
CHI 311 SHR 1 / REF 1 2: 1.0612 2 642.000 000 PMz CHI Bars 1 1 U FS 2: 49.777 0 2.3439 0 141.19 PM CHI Bars 2 2.642.000 000 PMz CHI Bars 2 2.642.000 PMZ	5 Hz	4.33	-0.38	91.80
Cor	2642MHz	4.67	-0.36	92.06
1 1 3 3 3 3 3 3 3 3	Hz Io mQ	4.71	-0.56	88.02

■ Radiation Pattern Ver 0.0





- 3D Passive Gain For Wibro
- Test Result for Ver 0.0

SWR & Smith chart		3D	Peak [dBi]	Average [dBi]	Efficiency [%]
3 Feb 2009 14: ©HI Si1 SHR 1 /REF 1 2:1:12:11 2:45.000 CH2 Si1 LOG 10 dB/REF 0 dB CH3 Si1 1 U FS 2:46.049 a 3.8086 a 258.49 pH	03:19 100 MHz CH1 Markers	2300MHz	2.51	-0.84	82.52
Cor MARKER 2	1: 2.0799 2.30000 6Hz 3: 1.9175 2.39000 6Hz	2322.5MHz	2.68	-0.78	83.71
		2345MHz	3.15	-0.45	90.20
Cor	Markers CH3 Markers 9.1034 dB 1:23.928 a -12.146 a 2.30000 GHz 2.30000 GHz -10.047 dB 2.30000 GHz 39000 GHz 3:93.570 a 4.6797 a	2367.5MHz	3.02	-0.78	83.76
START 2 000 000 000 PHz STOP 3 000 000 00	2.39000 GHz -	2390MHz	3.09	-0.86	82.12

■ Radiation Pattern Ver 0.0

