

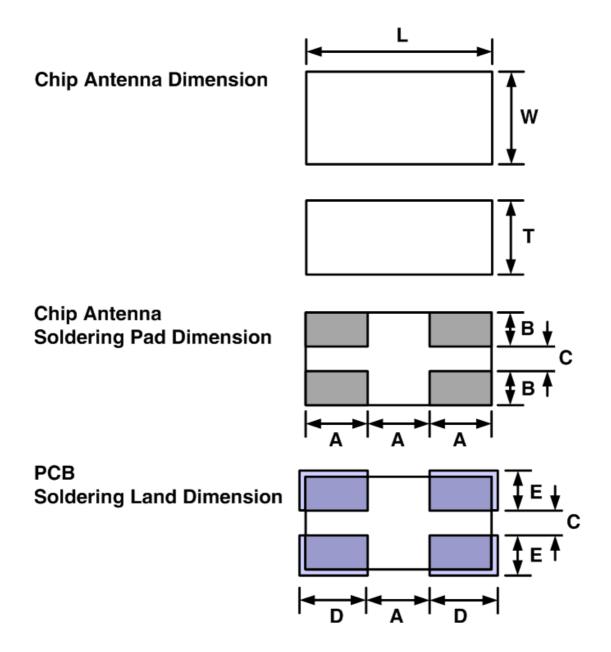
Original Design Chip Antenna Data Sheet

- 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



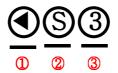
Parame	ter	L	w	Т	Α	В	С	D	E
Value[m	ım]	3.0 ± 0.1	1.5 ± 0.1	1.2 ± 0.1	1.0	0.55	0.4	1.1	0.65

Unless Specified tolerances are ± 0.05 mm



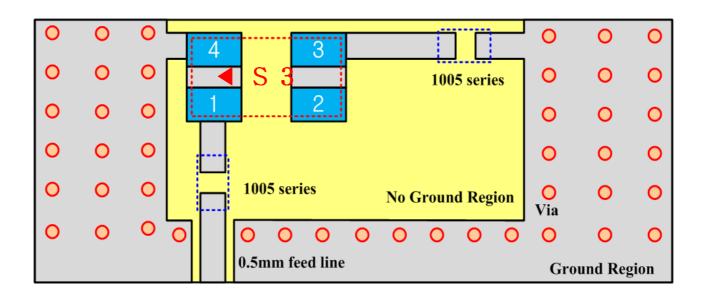
■ Antenna Marking System





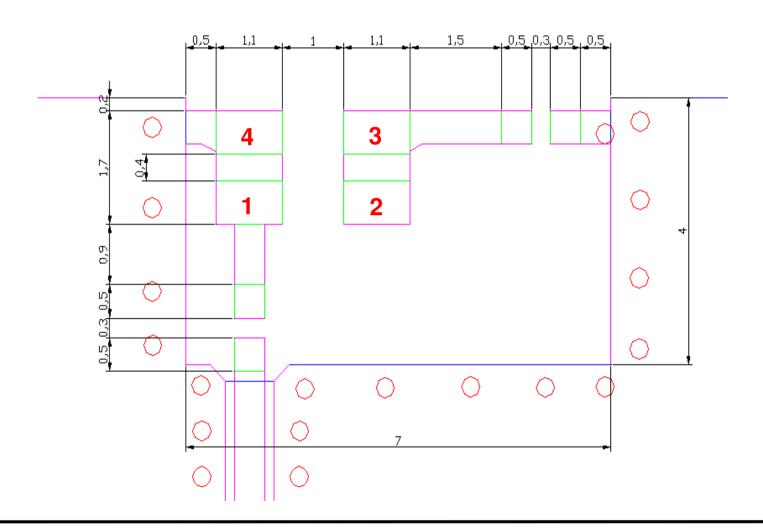
ITEM	DESCRIPTION						
① Input Signal	Input Signal						
② Serial	SDBTPTR301	5					
3 Month	1	2	3	4	5	6	
	January	February	March	April	May	June	
	7	8	9	Α	В	С	
	July	August	September	October	November	December	

■ Antenna PAD Information





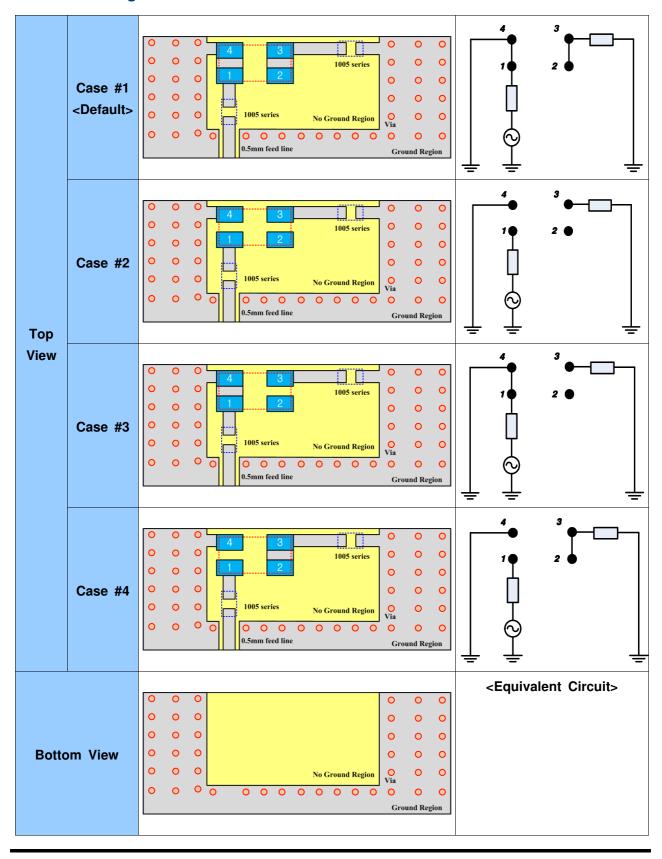
■ AutoCAD Drawing of Reference PCB Design for SDBTPTR3015 Product



Dielectric Chip Antenna Partron

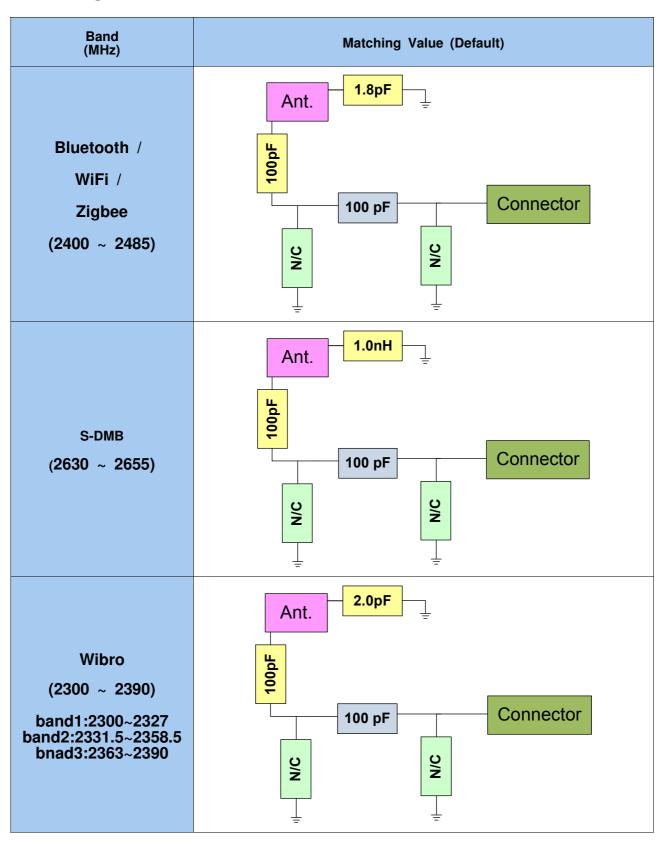


■ PCB Drawing





■ Matching Value

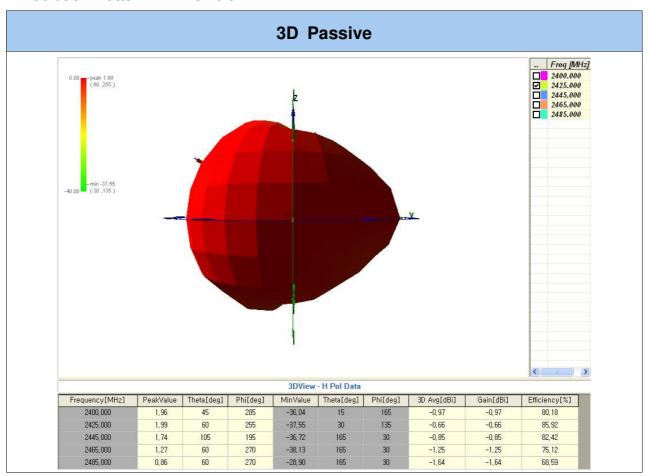




- 3D Passive Gain For Bluetooth / WiFi / Zigbee
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
ZZ Sep Z008 10:37:16 CHI Sii SHR	2400MHz	1.96	-0.97	80.18
Cor MARKER 4 De1 2.45 GHZ 2:1.093 Cor Cor 2.4500 GHZ 2:1.093 2.45000 GHZ 2:1.093 2.45000 GHZ 2:1.093	2425MHz	1.99	-0.66	85.92
	2445MHz	1.74	-0.85	82.42
Cor Childharkers CH3 Markers (W.6.6047 dB 1:27.579 a 14.0000 GHz 2.40000 GHz 2:24.5793 a 2.40000 GHz 2:24.5793 a 2.40000 GHz 3:44500 GHz 2:45.793 a 31.12.556 dB 2.44500 GHz 3:45500 GHz 2:45500 GHz 3:45500 GHz 3	2465MHz	1.27	-1.25	75.12
3: 00.762 a -347.66 m -2.48500 eHz	2485MHz	0.86	-1.64	68.59

■ Radiation Pattern Ver 0.0

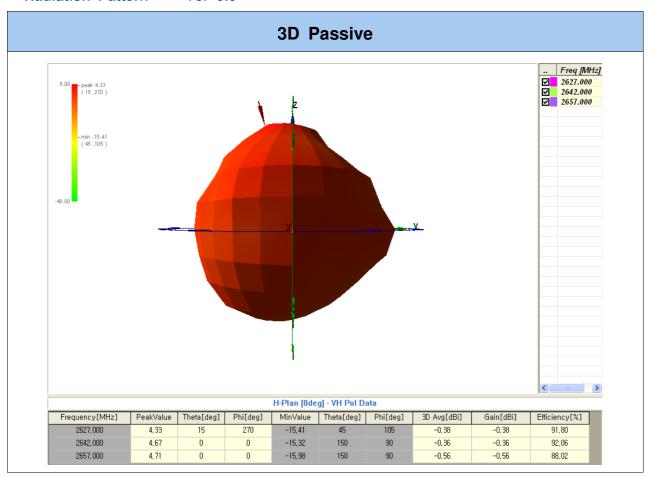




- 3D Passive Gain For S-DMB
- Test Result for Ver 0.0

SWR & Smith chart	3D	Peak [dBi]	Average [dBi]	Efficiency [%]
29 Jan 2009 22:12:46 (HI 311 SHR 1 PREF 1 2:1.0612 2:642.000 000 PHz CH2 911 L06 2:49.7770 2:34390 141.19 PH CH3 911 PREF 2:1.0612 2:642.000 000 PHz CH4 911 L1 L	2627MHz	4.33	-0.38	91.80
Cor	2642MHz	4.67	-0.36	92.06
1 1 1 1 1 1 1 1 1 1	2657MHz	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 14:03:19 [CHI 911 SHR 1 PREF 1 2:1.1211 2:345,000 000 PHz CHI 911 LOG 10 dB/REF 0 dB 2:244,067 dB CHI 911 1 U FS 2:46.049 n 3.0006 n 2554.99 PH (CHI flarker	2300MHz	2.51	-0.84	82.52
Cor MARKER 2 1.1.20796 2.30000 69	2222 EMIL	2.68	-0.78	83.71
	2345MHz	3.15	-0.45	90.20
Cer CH3 Markers CH3 Marker CH3 Ma	2367.5MHz	3.02	-0.78	83.76
2,39000 SH	2390MHz	3.09	-0.86	82.12

■ Radiation Pattern Ver 0.0

