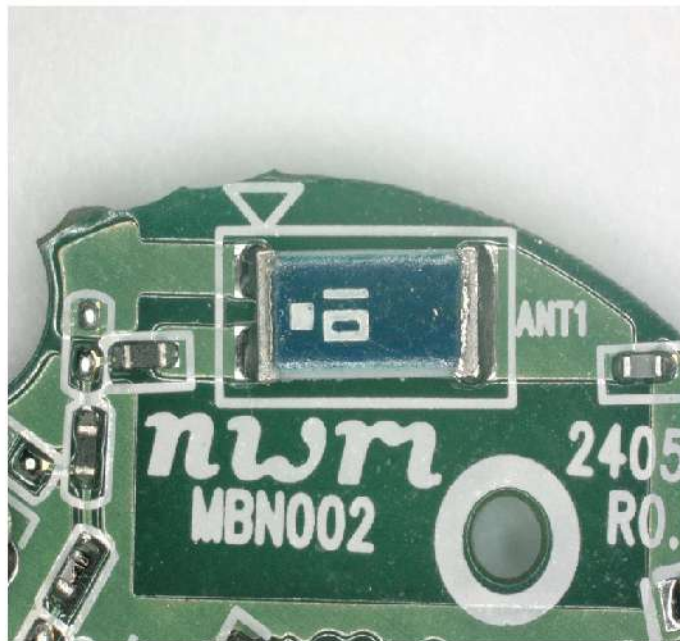




BLE Chip Antenna

Data Sheet



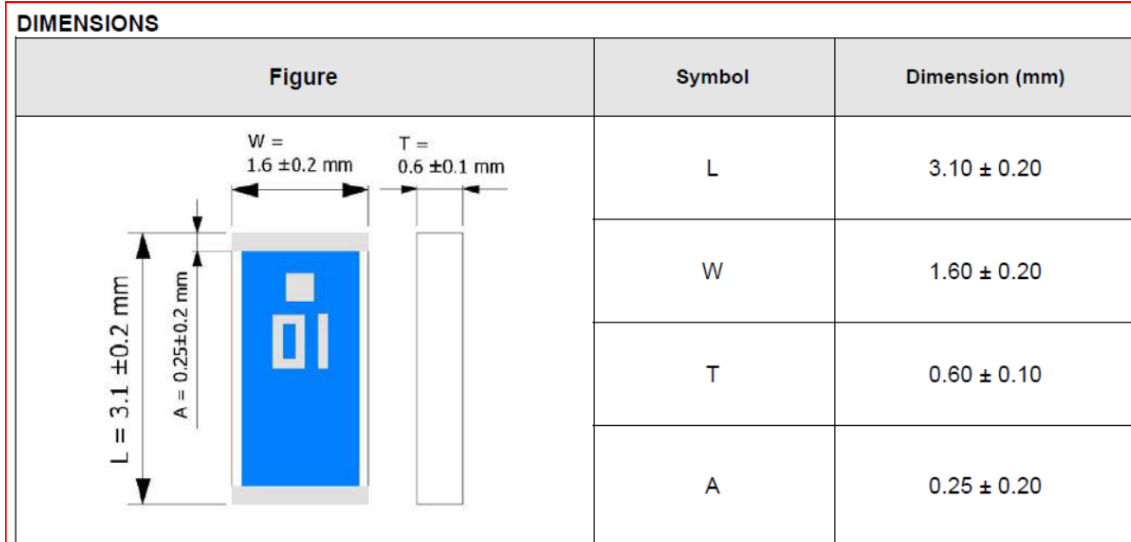
[Chip Ceramic Antenna]

(주)아 트 시 그 널

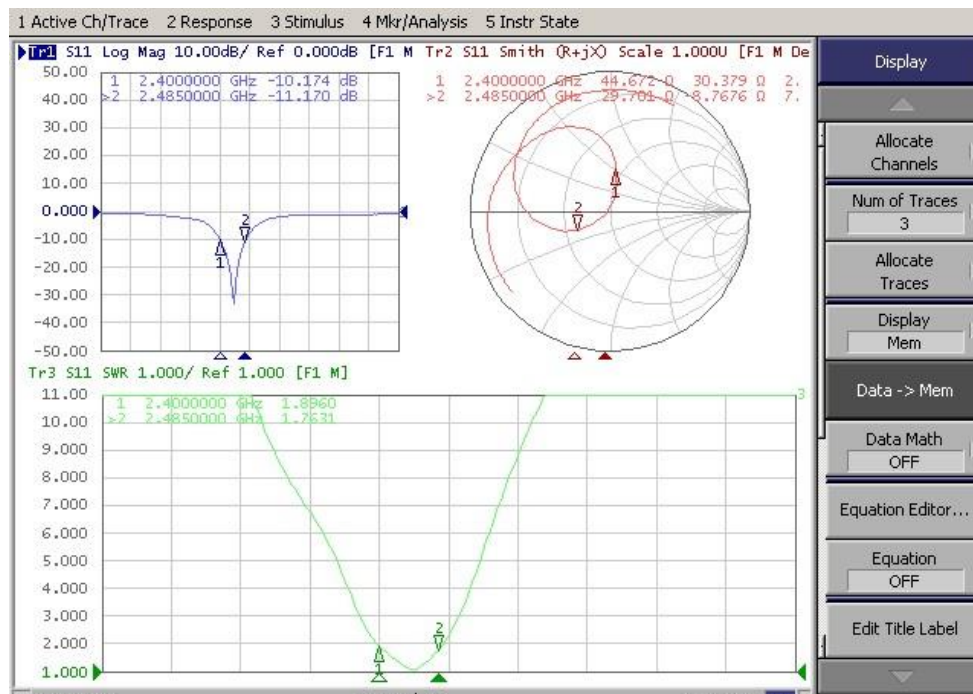
경기도 성남시 중원구 사기막골로 45번길 14, 우림라이온스밸리 2차 A- 1008

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Dimensions



VSWR, Return Loss, Smith Cart



BLE Chip Antenna

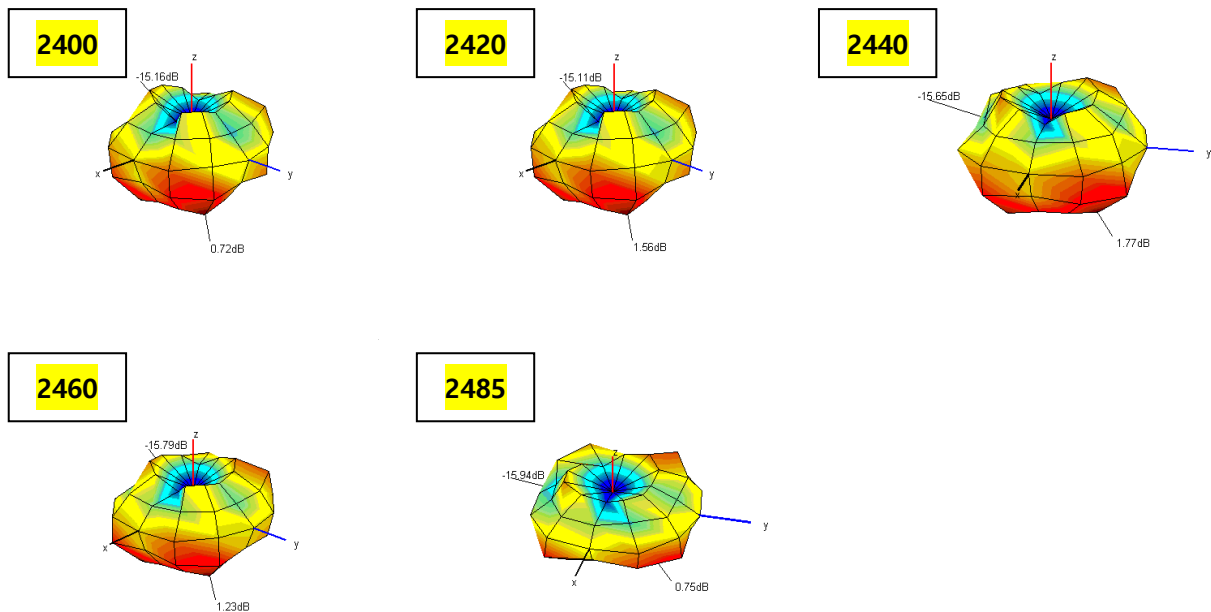
Data Sheet

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3D Gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-5.71	-4.92	-4.64	-5.20	-5.88
Efficiency [%]	26.8	32.2	34.4	30.2	25.8
TRG _θ [dB]	-9.39	-8.63	-8.33	-8.94	-10.22
Gain _{θ Peak} [dB]	-3.10	-2.32	-1.97	-2.60	-3.98
Gain _{θ Min} [dB]	-32.72	-30.65	-26.52	-27.23	-27.38
TRG _φ [dB]	-8.14	-7.33	-7.07	-7.59	-7.87
Gain _{φ Peak} [dB]	0.41	1.31	1.57	1.08	0.66
Gain _{φ Min} [dB]	-30.53	-27.55	-29.51	-32.42	-24.04
UHRG [dB]	-10.16	-9.31	-8.96	-9.46	-10.07
UHRG/TRG [%]	35.9	36.4	37.0	37.5	38.1
H-Plane	-10.93	-9.99	-9.68	-10.16	-11.18
E1-Plane, AVG [dB]	-8.12	-7.32	-6.93	-7.52	-8.70
E2-Plane, AVG [dB]	-9.59	-8.89	-8.59	-9.22	-10.30
Peak Gain [dB]	0.72	1.56	1.77	1.23	0.75
Directivity [dB]	6.43	6.48	6.41	6.43	6.63
Minimum Gain [dB]	-15.16	-15.11	-15.65	-15.79	-15.94



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Specifications

Item		Specifications
Antenna	Center Frequency	2400~2485 ±1MHz
	Polarization	Linear
	V.S.W.R	2:1 under
	Impedance	50 Ω
	Axial Ratio	1.5dB (max)
	Operation Temperature	-40°C ~ +85°C
Mechanical	Connector	
	Radome Material	Ceramic