

Antenna Datasheet



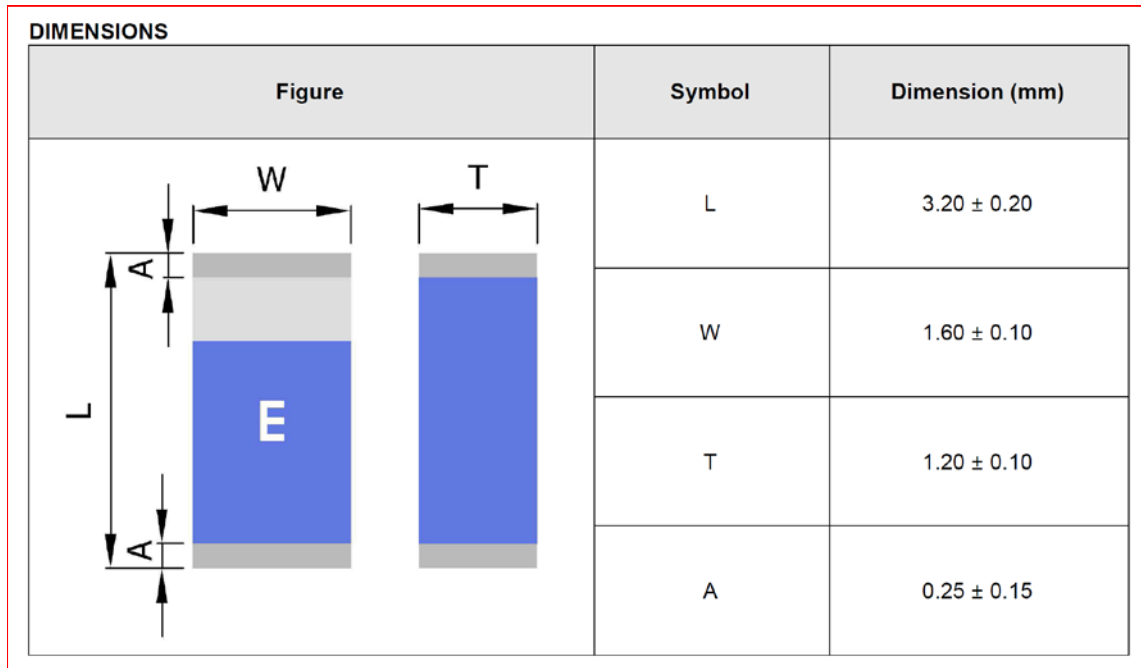
BLE Chip Antenna Data Sheet

(주)아 트 시 그 널

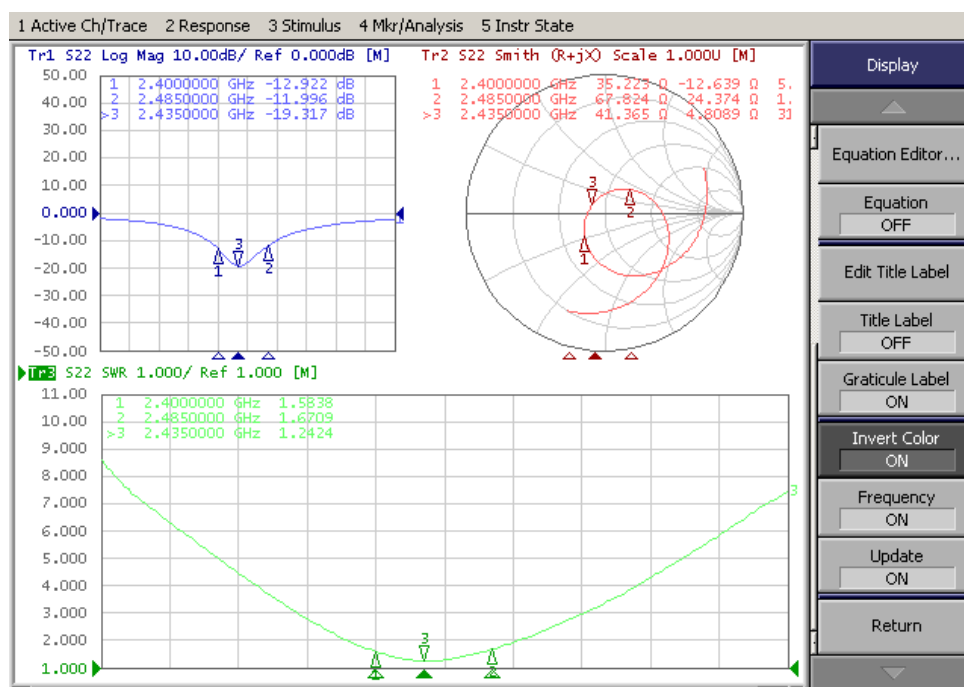
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Dimensions



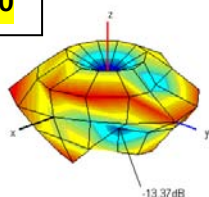
VSWR, Return Loss, Smith Cart



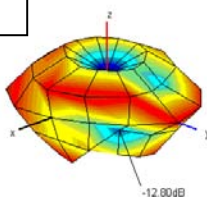
3D Gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-4.92	-4.07	-3.71	-4.20	-5.08
Efficiency [%]	32.2	39.2	42.5	38.1	31.0
TRG _θ [dB]	-6.80	-5.89	-5.38	-5.78	-6.79
Gain _{θ Peak} [dB]	-2.24	-1.55	-1.20	-1.71	-2.65
Gain _{θ Min} [dB]	-29.92	-29.90	-24.91	-23.11	-22.32
TRG _φ [dB]	-9.47	-8.72	-8.67	-9.34	-9.95
Gain _{φ Peak} [dB]	-3.62	-2.83	-2.56	-2.91	-3.51
Gain _{φ Min} [dB]	-30.77	-34.17	-32.40	-27.94	-26.61
UHRG [dB]	-8.28	-7.30	-6.81	-7.16	-7.97
UHRG/TRG [%]	46.1	47.5	49.1	50.6	51.4
H-Plane	-5.80	-4.84	-4.31	-4.79	-6.08
E1-Plane, AVG [dB]	-8.71	-7.89	-7.39	-7.76	-8.70
E2-Plane, AVG [dB]	-6.79	-5.78	-5.24	-5.57	-6.55
Peak Gain [dB]	-0.89	-0.26	-0.14	-0.63	-1.73
Directivity [dB]	4.03	3.81	3.57	3.56	3.35
Minimum Gain [dB]	-13.37	-12.80	-12.30	-12.08	-12.45

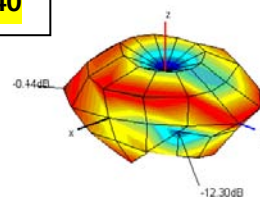
2400



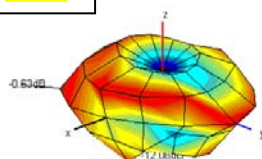
2420



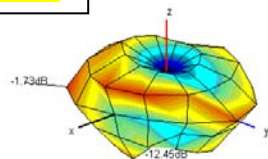
2440



2460



2485



Specifications

Item		Specifications
Antenna	Center Frequency	2400~2485 $\pm$ 1MHz
	Polarization	Linear
	V.S.W.R	2:1 under
	Impedance	50 Ω
	Axial Ratio	2.5dB (max)
	Operation Temperature	-40°C ~ +85°C
Mechanical	Connector	
	Radome Material	Ceramic