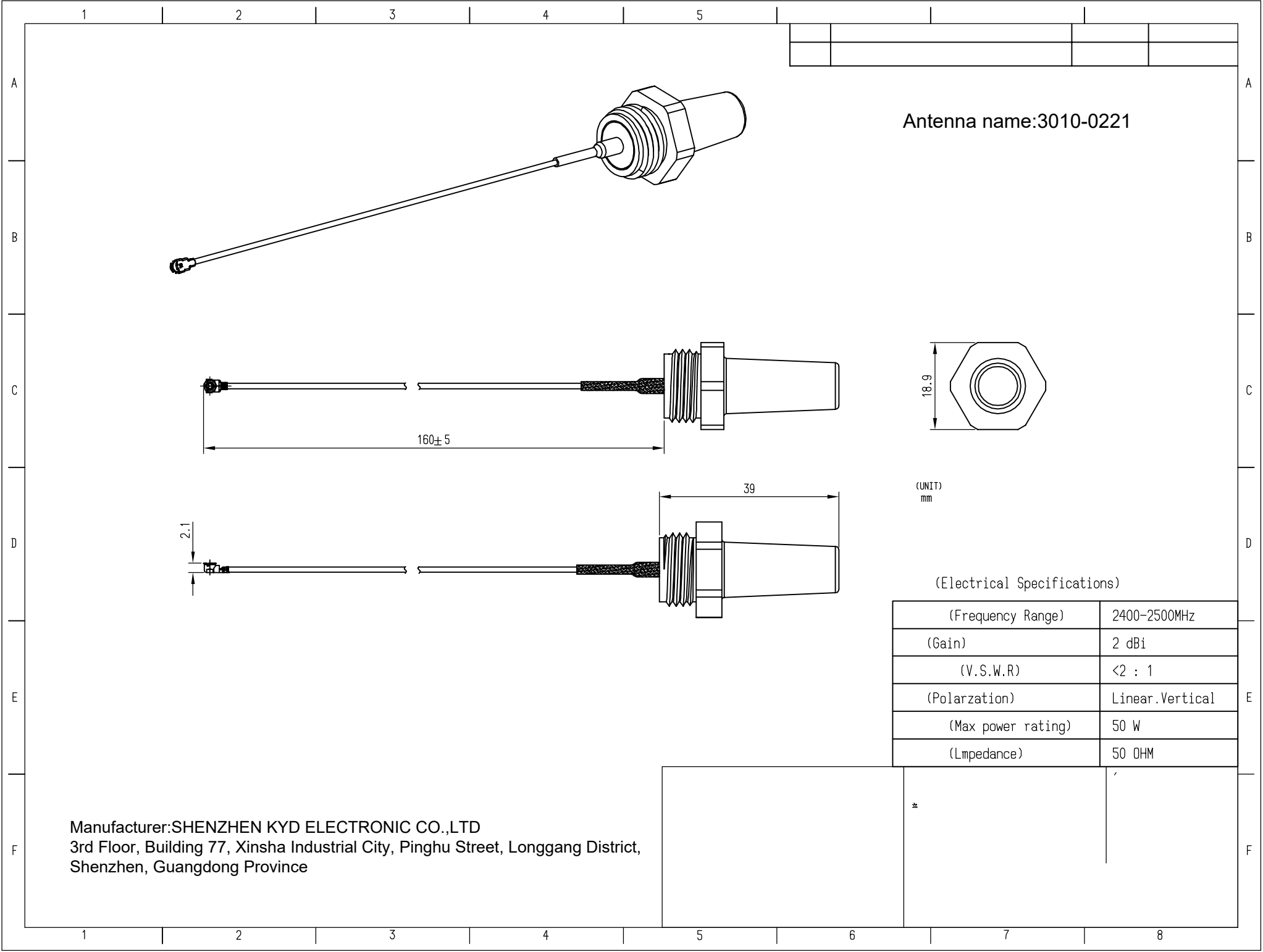
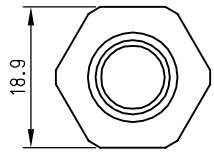




Antenna name:3010-0221



(UNIT)
mm

(Electrical Specifications)

(Frequency Range)	2400-2500MHz
(Gain)	2 dBi
(V.S.W.R)	<2 : 1
(Polarzation)	Linear.Vertical
(Max power rating)	50 W
(Lmpedance)	50 OHM

Manufacturer:SHENZHEN KYD ELECTRONIC CO.,LTD
3rd Floor, Building 77, Xinsha Industrial City, Pinghu Street, Longgang District,
Shenzhen, Guangdong Province

NTN ANTENNA TECHNOLOGY																					
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-3.10	-3.16	-3.03	-2.98	-2.94	-2.78	-2.87	-2.81	-2.82	-1.93	-1.92	-1.91	-1.97	-1.92	-1.88	-1.83	-1.72	-1.61	-1.59	-1.52	-1.55
Gain (dBi)	2.65	2.50	2.58	2.58	2.58	2.66	2.47	2.44	2.40	3.26	3.18	3.04	2.82	2.77	2.84	2.96	3.08	3.15	3.13	3.21	3.16
Efficiency (%)	48.93	48.35	49.83	50.40	50.81	52.74	51.58	52.33	52.23	64.12	64.28	64.37	63.47	64.20	64.86	65.56	67.24	68.96	69.29	70.53	70.00
Directivity (dB)	5.76	5.66	5.60	5.56	5.52	5.44	5.35	5.25	5.22	5.19	5.09	4.96	4.80	4.69	4.72	4.79	4.80	4.76	4.72	4.73	4.71
Peak Gain Position (Theta)	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Peak Gain Position (Phi)	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	240.00	240.00	240.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00
Efficiency ThetaPol (%)	31.81	32.20	33.56	34.02	34.11	35.81	35.61	36.66	36.35	44.34	44.78	45.66	45.95	46.78	47.04	47.36	49.23	51.42	52.20	52.93	52.38
Efficiency PhiPol (%)	17.12	16.16	16.26	16.38	16.70	16.93	15.97	15.67	15.88	19.78	19.49	18.71	17.52	17.42	17.83	18.20	18.00	17.54	17.09	17.60	17.62
Upper Hem. Efficiency (%)	19.90	19.78	20.52	20.96	21.29	22.29	22.08	22.62	22.66	27.88	28.00	28.07	27.72	28.08	28.42	28.75	29.62	30.67	31.08	31.79	31.76
Lower Hem. Efficiency (%)	29.03	28.58	29.30	29.43	29.52	30.45	29.51	29.71	29.57	36.24	36.27	36.30	35.75	36.13	36.44	36.81	37.61	38.29	38.21	38.74	38.25
T90(H)圆度	6.17	6.12	6.05	6.00	5.97	5.95	5.94	5.94	5.92	5.96	5.97	5.97	5.99	5.98	5.81	5.69	5.59	5.50	5.46	5.38	5.33
Gain 15deg (dBi)																					
E1(XZ)波瓣宽度	18.00	19.00	20.00	20.00	19.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	35.00	36.00	37.00	37.00	38.00	39.00	39.00	41.00	41.00
E1(XZ)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.23	0.26	0.45	0.69	0.81	0.69	0.61
E2(YZ)波瓣宽度	30.00	30.00	32.00	32.00	33.00	33.00	34.00	34.00	35.00	35.00	35.00	35.00	35.00	34.00	35.00	35.00	35.00	36.00	36.00	36.00	37.00
E2(YZ)前后比	4.93	5.04	5.01	5.04	5.09	5.14	5.21	5.24	5.18	5.09	5.13	5.25	5.33	5.39	5.44	5.55	5.63	5.67	5.73	5.78	5.77
最大增益处轴比(P)	0.67	0.61	0.78	0.82	0.85	0.71	0.61	0.52	0.67	0.85	0.94	0.68	0.88	0.87	4.92	4.75	4.49	4.43	4.58	4.75	4.67
顶点(Theta=0)处轴比(P)	11.53	11.37	10.94	10.65	10.76	10.90	10.75	10.32	9.85	9.66	9.77	9.96	9.91	9.74	9.99	10.76	12.13	13.64	14.72	15.91	17.37
仰角10度最大(大)轴比(P)	85.83	63.62	70.13	60.53	58.32	84.58	64.37	55.44	65.91	52.46	52.22	52.27	45.04	52.06	56.27	56.27	50.44	50.73	54.53	56.10	55.81
Hc(XY)波瓣宽度	101.00	100.00	100.00	99.00	99.00	99.00	99.00	100.00	100.00	101.00	102.00	101.00	102.00	102.00	103.00	104.00	104.00	104.00	104.00	105.00	105.00
Hc(XY)前后比	0.71	0.94	1.13	1.17	1.14	1.20	1.25	1.26	1.17	1.06	1.06	1.10	1.25	1.30	1.23	1.19	1.30	1.46	1.52	1.45	1.41
左旋圆极化效率(%)	24.89	24.67	25.47	25.80	26.05	27.06	26.51	27.00	26.91	33.08	33.03	32.83	32.18	32.62	33.04	33.40	34.19	34.99	35.10	35.63	35.44
右旋圆极化效率(%)	24.04	23.69	24.36	24.59	24.75	25.68	25.08	25.33	25.31	31.04	31.24	31.54	31.29	31.58	31.82	32.16	33.04	33.96	34.19	34.90	34.56
Empty																					

