

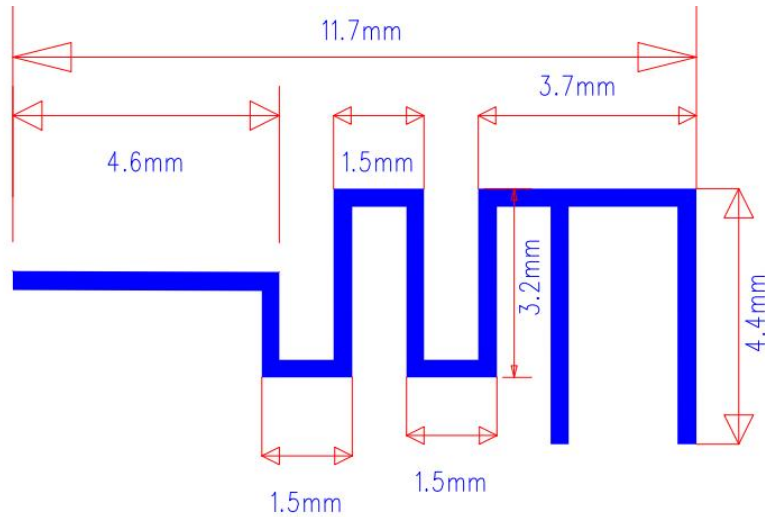
OPD03 RF specification

Shenzhen Omni Intelligent Technology Co., Ltd.

Frequency Range (MHz): 2400-2500

Bandwidth (MHz): 100

Input Impedence (Ω) : 50



Antenna size chart

FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-3.96	-4.03	-4.12	-3.88	-4.10	-3.75	-4.00	-4.08	-4.04	-3.67	-3.64
Peak EIRP (dBm)	1.35	1.25	1.11	1.21	0.89	1.20	0.99	0.97	1.12	1.66	1.79
Directivity (dBi)	5.31	5.27	5.23	5.09	4.99	4.94	4.99	5.05	5.15	5.33	5.44
Efficiency (dB)	-3.96	-4.03	-4.12	-3.88	-4.10	-3.75	-4.00	-4.08	-4.04	-3.67	-3.64
Efficiency (%)	40.20	39.60	38.70	40.90	38.90	42.20	39.80	39.10	39.50	43.00	43.20
Gain (dBi)	1.35	1.25	1.11	1.21	0.89	1.20	0.99	0.97	1.12	1.66	1.79
NHPRP $\pm$ Pi/4 (dBm)	-5.44	-5.53	-5.65	-5.43	-5.67	-5.31	-5.53	-5.57	-5.49	-5.09	-5.07
NHPRP $\pm$ Pi/6 (dBm)	-7.15	-7.25	-7.38	-7.16	-7.40	-7.03	-7.25	-7.27	-7.18	-6.77	-6.75
NHPRP $\pm$ Pi/8 (dBm)	-8.52	-8.63	-8.75	-8.51	-8.73	-8.36	-8.56	-8.57	-8.47	-8.06	-8.06
Upper Hem. PRP (dBm)	-8.59	-8.67	-8.80	-8.61	-8.84	-8.48	-8.74	-8.82	-8.74	-8.29	-8.14
Lower Hem. PRP (dBm)	-5.79	-5.85	-5.92	-5.67	-5.88	-5.53	-5.78	-5.85	-5.83	-5.50	-5.55
Upper Hem. PRP (%)	13.84	13.59	13.18	13.78	13.06	14.19	13.38	13.12	13.36	14.83	15.33
Lower Hem. PRP (%)	26.34	25.98	25.56	27.13	25.82	27.99	26.44	25.98	26.12	28.16	27.89

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