



深圳市红心电子科技有限公司

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Frequency (MHz)	2100.0	2110.0	2120.0	2130.0	2140.0	2150.0	2160.0	2170.0	2180.0	2190.0	2200.0	2210.0	2220.0	2230.0	2240.0	2250.0	2260.0	2270.0	2280.0	2290.0	2300.0	2310.0	2320.0	2330.0	2340.0	2350.0	2360.0	2370.0	2380.0	2390.0	2400.0	2410.0	2420.0	2430.0	2440.0	
Efficiency (dBi)	-11.98	-12.10	-12.10	-11.84	-11.84	-11.26	-11.01	-10.59	-10.79	-10.52	-10.46	-10.07	-9.72	-9.26	-8.86	-8.39	-8.09	-7.90	-7.63	-7.45	-7.04	-6.58	-6.05	-5.63	-5.10	-4.94	-4.60	-4.45	-4.16	-3.91	-3.69	-3.60	-3.63	-3.75	-4.10	
Gain (dBi)	-8.65	-8.70	-8.82	-8.75	-8.76	-8.17	-8.02	-7.67	-7.72	-7.42	-7.54	-7.14	-6.59	-6.03	-5.64	-5.33	-5.08	-4.84	-4.48	-4.20	-3.70	-3.03	-2.39	-1.91	-1.42	-1.32	-0.99	-0.84	-0.50	-0.10	0.23	0.37	0.31	0.01	-0.53	
Efficiency (%)	6.34	6.16	6.17	6.54	6.54	7.48	7.92	8.74	8.34	8.88	8.99	9.84	10.66	11.85	12.99	14.47	15.54	16.23	17.24	17.98	19.75	22.00	24.84	27.36	30.91	32.03	34.69	35.87	38.35	40.67	42.72	43.67	43.40	42.18	38.90	
Directivity (dB)	3.33	3.40	3.28	3.09	3.08	3.09	2.99	2.92	3.06	3.09	2.92	2.93	3.13	3.23	3.22	3.07	3.00	3.06	3.16	3.25	3.34	3.55	3.65	3.72	3.68	3.62	3.60	3.61	3.67	3.81	3.92	3.97	3.93	3.75	3.57	
Peak Gain Position (Theta)	75.00	75.00	75.00	75.00	90.00	75.00	75.00	60.00	60.00	60.00	60.00	90.00	75.00	120.00	120.00	120.00	120.00	90.00	90.00	90.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
Peak Gain Position (Phi)	90.00	90.00	90.00	90.00	285.00	330.00	315.00	60.00	60.00	60.00	60.00	285.00	315.00	270.00	270.00	270.00	270.00	90.00	90.00	90.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00	270.00
Efficiency ThetaPol (%)	4.57	4.40	4.36	4.63	4.65	5.35	5.66	6.19	5.87	6.22	6.29	6.88	7.45	8.24	9.06	10.12	10.84	11.22	11.74	12.10	13.21	14.58	16.26	17.71	19.94	20.73	22.46	23.33	25.01	26.51	27.91	28.63	28.58	28.09	26.22	
Efficiency PhiPol (%)	1.77	1.77	1.81	1.92	1.89	2.14	2.26	2.55	2.48	2.66	2.70	2.96	3.21	3.61	3.93	4.36	4.70	5.01	5.50	5.88	6.54	7.42	8.58	9.65	10.96	11.31	12.23	12.55	13.34	14.15	14.81	15.04	14.82	14.09	12.68	
Upper Hem. Efficiency (%)	3.71	3.62	3.58	3.70	3.60	4.07	4.32	4.80	4.62	4.91	4.90	5.25	5.56	6.07	6.61	7.38	7.95	8.33	8.77	9.00	9.69	10.63	11.91	13.17	14.91	15.47	16.65	17.05	18.15	19.24	20.33	20.88	20.77	20.20	18.54	
Lower Hem. Efficiency (%)	2.63	2.54	2.59	2.84	2.94	3.41	3.61	3.94	3.72	3.97	4.09	4.59	5.10	5.78	6.38	7.09	7.58	7.89	8.47	8.98	10.06	11.37	12.93	14.19	16.00	16.56	18.04	18.82	20.20	21.43	22.39	22.80	22.63	21.97	20.37	

