

Voltage Controlled Oscillator

ROS-EDR4692/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
1.0	90.57	1339.4	1320.3	1310.8	8.70	8.83	7.95	-16.3	-31.6	-40.7	1.22	1	-68
2.0	69.37	1412.2	1389.7	1384.3	8.18	8.17	7.56	-17.3	-31.4	-43.2	1.20	10	-97
3.0	71.53	1482.1	1461.2	1455.4	7.94	7.83	7.39	-17.2	-31.5	-41.5	1.18	100	-117
4.0	73.22	1551.8	1534.4	1525.2	7.98	7.99	7.37	-18.7	-31.7	-43.4	1.10	1000	-139
5.0	62.23	1620.7	1596.7	1593.5	8.01	8.01	7.37	-18.7	-31.5	-45.4	1.08		
6.0	72.19	1689.4	1668.8	1661.4	7.91	7.70	7.36	-19.7	-30.8	-45.2	1.10		
7.0	71.05	1758.5	1739.9	1730.4	8.03	7.95	7.46	-21.9	-31.5	-46.9	1.12		
8.0	67.19	1831.2	1807.1	1802.8	8.14	8.12	7.54	-23.9	-34.5	-53.4	1.16		
9.0	80.60	1909.5	1887.7	1877.9	8.51	8.19	7.73	-23.6	-35.9	-53.7	1.16		
10.0	78.28	1986.9	1966.0	1955.4	8.77	8.63	8.04	-23.9	-34.8	-49.8	1.02		
11.0	75.57	2063.9	2041.5	2034.2	8.92	8.86	8.17	-24.6	-36.3	-49.3	0.72		
12.0	79.26	2140.8	2120.8	2111.7	8.88	9.01	8.21	-23.9	-39.2	-56.1	0.44		
13.0	74.21	2215.2	2195.0	2186.9	8.69	8.73	8.16	-24.9	-41.6	-62.1	0.22		
14.0	68.88	2285.6	2263.9	2258.2	8.47	8.64	7.87	-25.3	-42.3	-53.6	0.02		
15.0	64.99	2352.0	2328.9	2324.0	8.04	8.28	7.62	-25.3	-44.6	-50.1	-0.14		
16.0	61.60	2413.0	2390.5	2384.1	7.58	7.83	7.22	-24.6	-46.8	-50.4	-0.03		
17.0	53.80	2468.3	2444.3	2439.4	7.31	7.41	6.91	-24.4	-48.0	-50.6	0.03		
18.0	49.07	2519.4	2493.3	2489.1	7.06	7.20	6.65	-24.8	-49.9	-53.4	0.02		
19.0	45.32	2565.2	2538.7	2535.9	6.80	6.42	6.35	-25.0	-48.3	-54.8	0.01		
20.0	47.39	2609.3	2586.0	2577.3	6.53	6.12	6.12	-24.2	-46.8	-53.6	0.08		
21.0	40.33	2649.0	2626.4	2618.0	6.32	6.39	5.91	-25.1	-45.7	-54.7	0.17		
22.0	34.89	2686.0	2661.3	2653.9	6.06	6.00	5.69	-23.7	-43.5	-54.6	0.19		