

Voltage Controlled Oscillator

ROS-EDR6240

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	59.70	1576.2	1559.0	1544.1	7.54	7.12	6.64	-13.9	-21.3	-33.6	1.46	1	-74
2.0	45.81	1620.4	1604.8	1591.2	7.28	6.94	6.49	-14.6	-21.1	-35.4	1.33	10	-101
3.0	42.36	1662.1	1647.2	1634.0	7.03	6.66	6.22	-15.8	-21.0	-36.9	1.25	100	-122
4.0	40.82	1702.3	1688.0	1675.4	6.90	6.52	6.07	-17.1	-20.6	-38.8	1.14	1000	-142
5.0	40.39	1742.6	1728.4	1716.1	6.68	6.35	5.94	-18.5	-20.7	-40.4	1.05		
6.0	40.99	1783.0	1769.4	1757.6	6.50	6.19	5.74	-19.7	-21.4	-43.7	0.93		
7.0	43.07	1826.0	1812.5	1800.6	6.24	5.95	5.50	-20.4	-22.7	-48.6	0.92		
8.0	46.12	1873.3	1858.6	1846.1	6.23	5.81	5.28	-21.5	-24.5	-49.3	1.04		
9.0	47.15	1921.0	1905.7	1892.9	6.16	5.72	5.18	-22.9	-25.9	-46.7	1.14		
10.0	48.81	1969.6	1954.6	1941.9	6.13	5.64	5.05	-22.9	-26.8	-45.6	1.12		
11.0	49.12	2018.3	2003.7	1991.3	5.99	5.57	5.02	-22.0	-28.1	-48.2	0.92		
12.0	49.16	2066.7	2052.8	2041.0	5.96	5.53	4.93	-20.5	-29.3	-48.2	0.65		
13.0	47.44	2113.9	2100.3	2088.7	5.92	5.49	4.94	-18.9	-30.8	-52.5	0.38		
14.0	45.38	2158.6	2145.7	2134.6	5.96	5.53	4.95	-17.3	-32.3	-57.8	0.17		
15.0	42.44	2200.7	2188.1	2177.2	5.98	5.55	5.01	-16.2	-33.5	-59.8	0.06		
16.0	39.65	2240.0	2227.7	2217.0	5.92	5.54	5.02	-15.4	-34.8	-55.0	0.04		
17.0	36.76	2276.7	2264.5	2253.7	5.85	5.47	5.01	-14.8	-35.6	-51.9	0.08		
18.0	34.01	2310.7	2298.5	2287.8	5.78	5.48	5.00	-14.2	-36.8	-51.6	0.15		
19.0	31.85	2342.3	2330.4	2319.4	5.70	5.37	4.96	-13.7	-37.1	-50.2	0.23		
20.0	29.48	2372.0	2359.8	2348.8	5.55	5.25	4.93	-13.5	-38.3	-51.3	0.35		
21.0	27.36	2399.4	2387.2	2376.4	5.34	5.15	4.83	-13.2	-38.7	-51.3	0.37		
22.0	25.72	2425.1	2412.9	2401.7	5.25	5.01	4.74	-13.0	-39.0	-52.3	0.43		
23.0	23.87	2449.4	2436.8	2425.6	5.14	4.94	4.68	-13.0	-39.0	-52.5	0.45		
24.0	22.30	2471.4	2459.1	2447.8	5.12	4.92	4.60	-12.9	-38.4	-53.1	0.44		
25.0	20.47	2492.3	2479.6	2468.1	5.11	4.88	4.63	-12.8	-39.0	-53.0	0.41		
26.0	19.20	2511.4	2498.8	2487.0	5.13	4.86	4.58	-12.9	-39.1	-55.0	0.34		
27.0	17.46	2529.4	2516.2	2504.4	5.09	4.88	4.61	-12.9	-38.9	-54.8	0.23		
28.0	16.40	2545.7	2532.6	2520.3	5.13	4.84	4.58	-12.8	-39.4	-54.8	0.12		
29.0	14.59	2560.5	2547.2	2535.1	5.06	4.86	4.54	-13.1	-39.7	-55.9	0.01		
30.0	13.00	2574.1	2560.2	2548.1	5.03	4.81	4.56	-13.1	-39.9	-56.6	-0.08		