

Voltage Controlled Oscillator

ROS-EDR5133/5

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	71.73	1190.6	1171.9	1148.9	6.76	6.67	5.70	-28.4	-29.6	-33.6	-0.46	1	-68
2.0	54.88	1245.0	1226.8	1204.7	6.81	6.66	5.83	-28.3	-27.7	-34.0	-0.54	10	-91
3.0	49.28	1293.4	1276.1	1254.3	6.71	6.62	5.77	-28.7	-27.2	-34.7	-0.41	100	-113
4.0	47.85	1340.7	1323.9	1301.3	6.73	6.61	5.69	-29.9	-26.4	-35.0	-0.31	1000	-138
5.0	46.09	1386.1	1370.0	1347.9	6.72	6.72	5.76	-30.0	-24.8	-37.5	-0.33		
6.0	45.25	1433.4	1415.2	1394.8	6.66	6.75	5.64	-31.0	-25.4	-41.7	-0.57		
7.0	47.48	1482.2	1462.7	1443.6	6.67	6.63	5.57	-29.7	-24.4	-49.8	-0.81		
8.0	51.24	1533.4	1514.0	1494.1	6.62	6.44	5.41	-31.1	-24.2	-41.7	-0.71		
9.0	54.31	1586.0	1568.3	1547.3	6.56	6.53	5.44	-31.7	-23.6	-40.3	-0.44		
10.0	54.41	1642.1	1622.7	1602.9	6.50	6.71	5.36	-32.6	-22.9	-40.1	-0.63		
11.0	56.01	1700.3	1678.7	1660.2	6.40	6.51	5.33	-33.0	-22.9	-40.7	-1.16		
12.0	60.14	1759.7	1738.8	1718.7	6.55	6.44	5.37	-35.3	-22.5	-39.8	-1.23		
13.0	58.11	1817.8	1796.9	1775.7	6.49	6.60	5.49	-38.7	-22.8	-40.1	-1.00		
14.0	53.83	1871.8	1850.8	1830.9	6.53	6.80	5.42	-45.4	-24.5	-42.9	-1.12		
15.0	48.53	1922.9	1899.3	1882.3	6.47	6.63	5.27	-46.8	-27.2	-46.2	-1.77		
16.0	50.57	1970.3	1949.9	1931.3	6.47	6.19	5.18	-42.5	-30.1	-46.3	-2.05		
17.0	46.02	2016.1	1995.9	1976.0	6.35	6.20	5.08	-42.2	-29.5	-46.4	-1.53		
18.0	40.96	2058.4	2036.8	2017.5	6.34	6.07	4.81	-41.3	-28.0	-47.8	-1.16		
19.0	38.39	2096.5	2075.2	2055.7	6.41	6.00	4.67	-40.9	-27.5	-49.1	-1.09		
20.0	34.61	2132.0	2109.9	2090.3	6.48	5.99	4.64	-39.8	-26.9	-49.6	-1.45		
21.0	32.14	2164.4	2142.0	2122.2	6.50	5.89	4.55	-40.7	-26.5	-48.9	-1.70		
22.0	29.91	2194.0	2171.9	2150.9	6.60	5.84	4.59	-40.6	-25.9	-49.0	-1.93		
23.0	26.93	2220.8	2198.8	2177.0	6.62	5.87	4.58	-39.9	-25.5	-48.7	-1.68		
24.0	24.01	2245.7	2222.8	2200.5	6.72	6.08	4.64	-38.7	-24.6	-51.8	-1.58		
25.0	22.08	2269.1	2244.9	2222.3	6.81	6.10	4.66	-38.7	-23.8	-51.4	-1.13		
26.0	20.85	2290.0	2265.8	2242.8	6.88	6.09	4.66	-36.6	-22.2	-51.3	-1.12		
27.0	20.12	2309.2	2285.9	2261.8	6.88	6.16	4.73	-35.8	-22.7	-51.5	-0.91		
28.0	18.03	2327.3	2303.9	2278.8	6.86	6.21	4.78	-35.0	-22.7	-51.8	-0.90		