

Voltage Controlled Oscillator

ROS-EDR5306

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			
0.3	16.33	156.2	154.8	153.9	-0.64	0.02	-0.27	-13.7	-31.2	-51.5	-0.04	1	-92
0.5	16.52	160.5	158.9	158.0	-0.46	0.31	0.16	-14.3	-30.9	-48.6	-0.23	10	-113
0.8	16.07	164.5	163.0	162.0	-0.37	0.44	0.35	-14.5	-31.4	-49.3	-0.22	100	-134
1.0	14.79	168.2	166.7	165.7	-0.28	0.53	0.45	-14.6	-31.4	-48.5	-0.19	1000	-148
1.3	13.75	171.6	170.1	169.2	-0.21	0.59	0.52	-14.9	-31.5	-46.9	-0.17		
1.5	12.95	174.9	173.3	172.4	-0.16	0.63	0.57	-15.7	-31.9	-47.2	-0.16		
1.8	12.29	177.9	176.4	175.5	-0.12	0.66	0.61	-16.6	-31.8	-46.9	-0.15		
2.0	11.73	180.8	179.3	178.4	-0.09	0.68	0.62	-17.3	-31.2	-46.6	-0.14		
2.3	11.23	183.6	182.1	181.2	-0.06	0.69	0.63	-17.8	-31.2	-47.0	-0.14		
2.5	10.79	186.3	184.8	183.9	-0.04	0.69	0.63	-17.8	-32.1	-46.7	-0.14		
2.8	10.37	188.9	187.4	186.5	-0.04	0.68	0.63	-17.7	-33.0	-45.5	-0.14		
3.0	9.98	191.4	189.9	189.0	-0.04	0.67	0.61	-17.7	-33.4	-45.1	-0.14		
3.3	9.59	193.8	192.3	191.4	-0.05	0.66	0.59	-17.8	-33.0	-46.0	-0.15		
3.5	9.22	196.1	194.6	193.7	-0.07	0.64	0.57	-18.2	-32.2	-46.7	-0.15		
3.8	8.86	198.3	196.8	195.9	-0.09	0.61	0.54	-18.7	-31.8	-46.5	-0.16		
4.0	8.50	200.4	199.0	198.1	-0.12	0.59	0.51	-19.2	-32.4	-45.9	-0.16		
4.3	8.14	202.4	201.0	200.1	-0.15	0.56	0.48	-19.7	-33.3	-46.1	-0.17		
4.5	7.79	204.4	202.9	202.1	-0.17	0.53	0.44	-19.9	-33.8	-46.7	-0.17		
4.8	7.45	206.2	204.8	203.9	-0.21	0.50	0.40	-20.1	-33.9	-47.6	-0.17		
5.0	7.11	208.0	206.6	205.7	-0.24	0.46	0.35	-20.0	-33.6	-47.3	-0.17		
5.3	6.78	209.7	208.3	207.4	-0.27	0.43	0.31	-19.9	-33.0	-46.8	-0.17		
5.5	6.45	211.3	209.9	209.0	-0.31	0.39	0.27	-19.8	-32.5	-46.2	-0.17		
5.8	6.13	212.8	211.4	210.6	-0.34	0.36	0.22	-19.7	-32.1	-46.2	-0.17		
6.0	5.85	214.3	212.9	212.0	-0.38	0.32	0.18	-19.7	-32.2	-46.8	-0.16		
6.3	5.56	215.7	214.3	213.4	-0.42	0.28	0.13	-19.7	-32.4	-47.5	-0.16		
6.5	5.28	217.0	215.6	214.7	-0.45	0.24	0.09	-19.9	-32.7	-47.9	-0.15		
6.8	5.04	218.3	216.9	216.0	-0.49	0.20	0.04	-20.1	-33.0	-48.0	-0.15		
7.0	4.80	219.5	218.1	217.2	-0.54	0.16	0.00	-20.3	-33.3	-48.1	-0.14		