

Voltage Controlled Oscillator

ROS-EDR5408

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	11.30	177.1	175.8	174.1	-0.15	0.36	0.48	-22.5	-37.0	-48.4	-0.17	1	-91
0.5	9.38	179.3	178.2	176.7	-0.01	0.49	0.52	-22.4	-36.4	-47.0	-0.14	10	-112
0.8	7.64	181.0	180.1	178.9	0.16	0.65	0.56	-22.4	-35.6	-45.9	-0.12	100	-132
1.0	6.30	182.5	181.7	180.8	0.21	0.77	0.58	-22.4	-34.5	-45.0	-0.11	1000	-149
1.3	5.92	184.1	183.1	182.6	0.15	0.76	0.58	-22.5	-34.2	-44.7	-0.11		
1.5	6.09	185.7	184.7	184.2	0.07	0.70	0.57	-22.6	-34.2	-44.5	-0.10		
1.8	6.04	187.2	186.2	185.7	0.01	0.62	0.54	-22.6	-34.0	-44.5	-0.09		
2.0	5.79	188.6	187.6	187.1	-0.05	0.56	0.51	-22.8	-33.8	-44.0	-0.09		
2.3	5.51	189.9	189.0	188.5	-0.09	0.51	0.48	-22.8	-33.8	-44.4	-0.08		
2.5	5.26	191.2	190.3	189.8	-0.14	0.46	0.45	-22.9	-33.5	-44.3	-0.08		
2.8	5.06	192.5	191.6	191.0	-0.17	0.42	0.41	-22.9	-33.2	-43.9	-0.07		
3.0	4.88	193.7	192.8	192.2	-0.22	0.37	0.37	-23.0	-33.3	-43.6	-0.07		
3.3	4.72	194.9	194.0	193.4	-0.26	0.33	0.32	-23.0	-33.1	-43.5	-0.07		
3.5	4.59	196.0	195.1	194.5	-0.30	0.28	0.27	-23.0	-33.0	-43.4	-0.06		
3.8	4.49	197.1	196.3	195.7	-0.34	0.24	0.23	-23.0	-32.9	-42.8	-0.06		
4.0	4.39	198.2	197.3	196.8	-0.39	0.19	0.18	-23.0	-32.6	-43.0	-0.06		
4.3	4.32	199.3	198.4	197.8	-0.44	0.14	0.12	-23.0	-32.5	-42.6	-0.06		
4.5	4.24	200.4	199.5	198.9	-0.49	0.09	0.07	-23.0	-32.5	-42.3	-0.06		
4.8	4.19	201.4	200.5	199.9	-0.54	0.04	0.00	-22.9	-32.2	-42.0	-0.06		
5.0	4.13	202.5	201.6	201.0	-0.60	-0.02	-0.06	-23.0	-32.1	-42.0	-0.05		
5.3	4.09	203.5	202.6	202.0	-0.66	-0.08	-0.12	-23.0	-32.0	-41.6	-0.05		
5.5	4.05	204.5	203.6	203.0	-0.72	-0.15	-0.18	-23.0	-31.9	-41.2	-0.05		
5.8	4.02	205.5	204.6	204.0	-0.78	-0.21	-0.25	-23.0	-31.6	-41.5	-0.05		
6.0	3.99	206.5	205.6	205.0	-0.84	-0.27	-0.31	-22.9	-31.6	-40.7	-0.05		
6.3	3.96	207.5	206.6	206.0	-0.91	-0.34	-0.38	-22.9	-31.4	-40.7	-0.05		
6.5	3.94	208.5	207.6	207.0	-0.97	-0.40	-0.44	-22.9	-31.3	-40.2	-0.05		
6.8	3.93	209.5	208.6	208.0	-1.03	-0.47	-0.51	-22.9	-31.2	-40.2	-0.05		
7.0	3.92	210.4	209.5	209.0	-1.10	-0.54	-0.58	-22.9	-31.1	-40.1	-0.05		