

Voltage Controlled Oscillator

ROS-EDR5247

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	17.62	144.8	141.5	139.3	3.02	3.39	3.19	-19.1	-30.2	-42.8	-0.18	1	-83
0.5	17.57	148.9	145.9	143.9	3.27	3.61	3.43	-20.8	-28.9	-42.7	-0.21	10	-105
0.8	17.62	153.2	150.3	148.5	3.39	3.70	3.51	-23.0	-29.3	-44.4	-0.36	100	-123
1.0	18.24	157.8	154.9	153.1	3.41	3.70	3.52	-26.1	-30.0	-43.1	-0.33	1000	-142
1.3	16.54	161.9	159.0	157.2	3.38	3.67	3.50	-29.1	-30.3	-42.9	-0.27		
1.5	15.20	165.7	162.8	161.0	3.34	3.63	3.46	-32.4	-30.8	-43.3	-0.23		
1.8	14.23	169.2	166.4	164.6	3.29	3.59	3.41	-36.6	-31.6	-41.8	-0.20		
2.0	13.46	172.5	169.8	168.0	3.24	3.53	3.36	-43.2	-32.0	-40.5	-0.19		
2.3	12.83	175.7	173.0	171.2	3.19	3.47	3.32	-45.1	-32.1	-40.8	-0.17		
2.5	12.29	178.8	176.0	174.3	3.15	3.40	3.26	-39.8	-32.6	-40.6	-0.17		
2.8	11.83	181.7	179.0	177.3	3.11	3.34	3.21	-36.8	-33.7	-39.8	-0.17		
3.0	11.40	184.6	181.8	180.1	3.06	3.27	3.15	-35.0	-34.5	-39.8	-0.17		
3.3	10.99	187.3	184.6	182.9	3.01	3.20	3.08	-33.5	-34.7	-40.0	-0.17		
3.5	10.60	189.9	187.2	185.6	2.95	3.12	3.00	-32.2	-34.3	-39.2	-0.17		
3.8	10.21	192.4	189.8	188.2	2.89	3.05	2.92	-31.1	-33.8	-38.0	-0.18		
4.0	9.78	194.9	192.2	190.6	2.84	2.98	2.85	-30.1	-33.7	-37.1	-0.18		
4.3	9.38	197.2	194.6	193.0	2.78	2.91	2.77	-29.4	-34.5	-37.5	-0.19		
4.5	9.02	199.4	196.8	195.3	2.72	2.84	2.69	-28.9	-35.7	-37.9	-0.19		
4.8	8.64	201.6	199.0	197.4	2.66	2.77	2.61	-28.7	-36.4	-37.7	-0.19		
5.0	8.26	203.7	201.1	199.5	2.60	2.70	2.54	-28.6	-36.7	-36.8	-0.19		
5.3	7.90	205.6	203.0	201.5	2.54	2.63	2.46	-28.6	-36.6	-36.0	-0.19		
5.5	7.53	207.5	204.9	203.4	2.49	2.57	2.38	-28.5	-36.3	-35.9	-0.19		
5.8	7.18	209.3	206.7	205.2	2.42	2.50	2.31	-28.4	-36.0	-36.4	-0.19		
6.0	6.84	211.0	208.4	206.9	2.37	2.44	2.25	-28.3	-35.9	-36.8	-0.19		
6.3	6.50	212.7	210.1	208.5	2.31	2.37	2.18	-28.1	-36.3	-36.9	-0.19		
6.5	6.20	214.2	211.6	210.1	2.25	2.31	2.11	-27.9	-36.7	-36.4	-0.19		
6.8	5.90	215.7	213.1	211.6	2.19	2.25	2.04	-27.6	-37.3	-35.7	-0.19		
7.0	5.62	217.1	214.5	213.0	2.13	2.20	1.98	-27.5	-37.8	-35.0	-0.19		