

Voltage Controlled Oscillator

ROS-EDR5545/1

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	32.53	703.0	701.5	699.0	3.58	2.58	2.22	-18.5	-31.9	-19.6	-0.14	1	-88
0.5	28.89	710.5	708.7	706.1	3.15	2.45	2.18	-19.1	-31.0	-19.2	-0.11	10	-109
0.8	26.65	717.3	715.4	712.6	2.80	2.34	2.15	-19.6	-30.4	-18.8	-0.08	100	-134
1.0	25.18	723.8	721.7	718.7	2.51	2.25	2.10	-20.0	-29.9	-18.6	-0.06	1000	-147
1.3	24.21	730.2	727.7	724.6	2.22	2.17	2.06	-20.2	-29.5	-18.5	-0.03		
1.5	24.18	736.5	733.8	730.3	2.06	2.09	2.01	-20.3	-29.4	-18.4	-0.02		
1.8	23.33	742.5	739.6	736.0	1.95	2.05	1.98	-20.4	-29.1	-18.3	-0.01		
2.0	22.96	748.4	745.3	741.6	1.87	2.02	1.96	-20.5	-29.1	-18.4	0.01		
2.3	22.90	754.4	751.1	747.0	1.82	2.00	1.96	-20.5	-29.3	-18.4	0.03		
2.5	22.94	760.4	756.8	752.5	1.80	2.03	1.95	-20.5	-29.4	-17.6	0.06		
2.8	23.04	766.4	762.6	758.1	1.77	2.06	1.96	-20.6	-30.0	-17.6	0.09		
3.0	23.17	772.4	768.4	763.7	1.73	2.08	1.93	-20.5	-30.7	-17.8	0.12		
3.3	23.36	778.6	774.2	769.3	1.69	2.08	1.87	-20.4	-31.9	-18.1	0.14		
3.5	23.60	784.9	780.1	775.1	1.68	2.03	1.78	-20.2	-33.4	-18.9	0.18		
3.8	24.60	791.2	786.2	780.9	1.70	1.99	1.66	-20.1	-34.4	-19.2	0.21		
4.0	24.56	797.5	792.4	787.0	1.76	1.96	1.53	-20.1	-34.2	-19.6	0.23		
4.3	24.99	803.9	798.6	793.3	1.80	1.93	1.43	-20.2	-32.8	-19.8	0.25		
4.5	25.55	810.5	805.0	799.7	1.76	1.89	1.30	-20.4	-30.5	-20.1	0.26		
4.8	26.13	817.1	811.6	806.4	1.71	1.84	1.08	-20.6	-28.4	-20.4	0.25		
5.0	26.70	823.9	818.2	813.4	1.60	1.74	0.79	-21.0	-26.4	-20.6	0.22		
5.3	27.37	830.9	825.1	820.7	1.53	1.60	0.50	-21.4	-24.6	-21.0	0.20		
5.5	28.29	838.1	832.1	828.3	1.43	1.49	0.19	-21.8	-23.1	-21.2	0.12		
5.8	28.50	845.4	839.3	835.9	1.31	1.35	-0.04	-22.2	-22.1	-21.5	0.05		
6.0	29.12	852.8	846.5	843.8	1.19	1.17	-0.31	-22.7	-21.2	-22.1	-0.07		
6.3	30.25	860.4	854.1	851.7	1.08	0.85	-0.56	-23.3	-20.3	-22.5	-0.20		
6.5	31.88	868.0	862.1	859.9	0.96	0.47	-0.80	-24.1	-19.4	-22.8	-0.29		
6.8	33.18	875.7	870.4	868.1	0.80	0.07	-1.04	-25.0	-18.9	-23.4	-0.33		
7.0	34.21	883.5	878.9	876.4	0.69	-0.36	-1.30	-26.0	-18.5	-23.8	-0.35		