

Voltage Controlled Oscillator

ROS-EDR5243

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	26.45	706.1	700.3	694.6	6.05	6.07	5.18	-26.6	-45.8	-52.6	-0.21	1	-83
0.5	23.50	711.9	706.2	700.5	6.01	6.07	5.18	-27.4	-43.3	-51.0	-0.17	10	-104
0.8	21.88	717.3	711.7	706.1	6.03	6.06	5.19	-28.1	-41.7	-51.7	-0.14	100	-128
1.0	21.04	722.6	717.0	711.3	6.05	6.05	5.20	-28.3	-41.1	-50.6	-0.12	1000	-147
1.3	20.43	727.7	722.1	716.4	6.06	6.01	5.24	-28.4	-40.6	-49.8	-0.12		
1.5	19.90	732.9	727.0	721.4	6.07	6.07	5.30	-28.8	-40.0	-49.9	-0.10		
1.8	19.96	738.0	732.0	726.3	6.06	6.08	5.33	-28.8	-40.2	-49.3	-0.10		
2.0	20.07	743.1	737.0	731.3	6.03	6.07	5.34	-28.4	-39.9	-49.0	-0.09		
2.3	20.14	748.3	742.1	736.3	5.98	6.05	5.33	-28.6	-39.1	-47.5	-0.10		
2.5	20.29	753.5	747.1	741.4	5.92	6.02	5.30	-29.7	-38.4	-49.0	-0.10		
2.8	20.44	758.7	752.3	746.5	5.86	5.99	5.27	-30.7	-38.1	-47.5	-0.11		
3.0	20.60	763.9	757.4	751.6	5.88	5.96	5.23	-30.6	-38.6	-46.7	-0.12		
3.3	20.60	769.1	762.6	756.8	5.89	5.95	5.19	-30.1	-39.2	-47.5	-0.13		
3.5	20.69	774.3	767.7	761.9	5.91	5.94	5.20	-29.9	-39.4	-47.6	-0.15		
3.8	20.75	779.5	772.9	767.1	5.91	5.92	5.25	-29.9	-39.3	-47.2	-0.17		
4.0	20.78	784.6	778.1	772.2	5.90	5.86	5.24	-29.5	-38.9	-47.6	-0.19		
4.3	20.26	789.8	783.2	777.4	5.89	5.85	5.22	-29.4	-39.1	-47.5	-0.20		
4.5	20.14	794.9	788.2	782.6	5.87	5.87	5.20	-30.0	-39.4	-46.6	-0.23		
4.8	20.09	799.9	793.2	787.6	5.86	5.86	5.18	-30.6	-38.8	-46.9	-0.25		
5.0	19.87	804.8	798.2	792.6	5.82	5.85	5.17	-30.4	-38.4	-47.1	-0.26		
5.3	19.60	809.7	803.1	797.6	5.83	5.82	5.15	-29.9	-39.4	-45.8	-0.27		
5.5	19.24	814.5	807.9	802.4	5.81	5.77	5.10	-29.8	-40.1	-45.2	-0.28		
5.8	18.86	819.2	812.6	807.1	5.78	5.72	5.04	-30.0	-40.2	-46.0	-0.29		
6.0	18.50	823.8	817.3	811.7	5.75	5.68	5.04	-30.2	-40.0	-46.6	-0.30		
6.3	18.16	828.3	821.8	816.2	5.74	5.65	5.03	-30.5	-39.3	-45.9	-0.30		
6.5	17.70	832.7	826.2	820.7	5.72	5.62	5.00	-31.0	-38.9	-45.6	-0.30		
6.8	17.35	837.0	830.6	825.0	5.70	5.58	4.97	-31.4	-39.2	-46.6	-0.30		
7.0	16.92	841.2	834.8	829.2	5.66	5.51	4.94	-31.5	-39.7	-47.1	-0.30		