

Voltage Controlled Oscillator

ROS-EDR11017/1MP

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			
0.0	8.75	4325.2	4321.5	4316.5	1.25	0.53	-0.58	-28.9	-35.8	-39.7	1.74	1	-86
0.3	8.58	4327.4	4323.7	4318.8	1.24	0.52	-0.58	-28.7	-35.4	-39.5	1.73	10	-111
0.5	8.71	4329.5	4325.8	4320.9	1.23	0.51	-0.59	-28.5	-35.5	-39.5	1.73	100	-131
0.8	9.05	4331.7	4328.0	4323.1	1.21	0.51	-0.59	-28.3	-35.3	-39.8	1.73	1000	-150
1.0	9.56	4334.0	4330.3	4325.3	1.20	0.49	-0.60	-28.2	-35.2	-39.8	1.73		
1.3	10.21	4336.5	4332.7	4327.7	1.18	0.48	-0.60	-28.0	-35.1	-40.2	1.73		
1.5	10.96	4339.1	4335.2	4330.2	1.16	0.46	-0.61	-27.9	-35.0	-39.9	1.73		
1.8	11.79	4341.9	4338.0	4332.8	1.13	0.44	-0.63	-28.1	-34.8	-40.3	1.73		
2.0	12.66	4344.9	4340.9	4335.7	1.10	0.42	-0.65	-27.9	-35.2	-40.4	1.73		
2.3	13.51	4348.1	4344.1	4338.8	1.07	0.39	-0.67	-27.9	-35.4	-40.3	1.72		
2.5	14.28	4351.6	4347.5	4342.1	1.04	0.36	-0.70	-27.9	-35.2	-40.5	1.70		
2.8	14.94	4355.2	4351.0	4345.6	1.00	0.33	-0.72	-27.8	-35.0	-39.8	1.68		
3.0	15.41	4359.0	4354.8	4349.2	0.96	0.30	-0.74	-27.7	-34.7	-39.7	1.65		
3.3	15.66	4362.9	4358.6	4353.0	0.91	0.27	-0.77	-27.3	-34.6	-40.5	1.61		
3.5	15.63	4366.8	4362.5	4356.9	0.85	0.23	-0.80	-26.9	-34.4	-40.7	1.56		
3.8	15.38	4370.8	4366.4	4360.8	0.79	0.20	-0.83	-26.7	-34.2	-41.1	1.49		
4.0	14.98	4374.6	4370.3	4364.6	0.73	0.16	-0.85	-26.5	-34.3	-40.8	1.43		
4.3	14.41	4378.4	4374.0	4368.4	0.70	0.11	-0.87	-26.7	-34.0	-40.4	1.38		
4.5	13.78	4382.0	4377.6	4372.0	0.66	0.05	-0.90	-26.8	-34.4	-40.2	1.34		
4.8	13.14	4385.5	4381.1	4375.4	0.61	0.01	-0.94	-27.0	-33.8	-41.0	1.32		
5.0	12.44	4388.8	4384.4	4378.7	0.54	-0.02	-1.00	-27.0	-33.7	-40.9	1.32		
5.3	11.73	4391.9	4387.5	4381.8	0.48	-0.05	-1.06	-26.9	-33.5	-40.8	1.33		
5.5	11.06	4394.8	4390.4	4384.7	0.42	-0.09	-1.11	-26.5	-33.3	-41.0	1.34		
5.8	10.44	4397.6	4393.2	4387.4	0.36	-0.14	-1.14	-26.3	-33.1	-41.2	1.37		
6.0	9.91	4400.2	4395.8	4390.0	0.30	-0.18	-1.16	-25.9	-33.0	-41.5	1.40		
6.25	9.46	4402.7	4398.3	4392.5	0.25	-0.22	-1.17	-25.6	-33.2	-41.7	1.44		
6.5	9.09	4405.0	4400.6	4394.9	0.20	-0.26	-1.19	-25.2	-33.1	-41.4	1.47		
6.8	8.80	4407.3	4402.9	4397.2	0.15	-0.31	-1.20	-25.0	-33.0	-41.6	1.51		
7.0	8.80	4409.5	4405.1	4399.4	0.11	-0.36	-1.23	-24.9	-32.7	-41.3	1.54		

Notes

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