

Voltage Controlled Oscillator

ROS-769-1G19+

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	15.86	720.7	718.0	715.4	0.41	1.13	1.30	-23.4	-41.9	-33.4	0.11	1	-90
0.3	14.65	724.5	722.0	719.5	0.45	1.18	1.38	-23.4	-42.4	-33.1	0.16	10	-113
0.5	14.00	728.2	725.7	723.2	0.48	1.23	1.43	-23.2	-42.8	-32.8	0.19	100	-133
0.8	13.66	731.7	729.2	726.7	0.49	1.24	1.47	-23.1	-43.3	-32.6	0.22	1000	-151
1.0	13.54	735.2	732.6	730.1	0.50	1.27	1.49	-23.0	-43.9	-32.5	0.23		
1.3	13.53	738.6	736.0	733.5	0.49	1.26	1.50	-23.1	-44.4	-32.5	0.24		
1.5	13.62	742.0	739.3	736.8	0.48	1.25	1.49	-23.0	-45.1	-32.3	0.24		
1.8	13.78	745.5	742.7	740.2	0.46	1.22	1.47	-22.9	-45.6	-32.1	0.25		
2.0	14.00	749.0	746.2	743.6	0.44	1.20	1.44	-22.7	-46.1	-32.1	0.24		
2.3	14.15	752.6	749.7	747.0	0.41	1.15	1.40	-22.4	-46.7	-32.0	0.23		
2.5	14.39	756.2	753.2	750.5	0.40	1.13	1.35	-22.3	-47.1	-31.8	0.21		
2.8	14.58	759.8	756.8	754.1	0.38	1.11	1.33	-22.2	-47.1	-31.6	0.18		
3.0	14.79	763.5	760.5	757.7	0.38	1.10	1.30	-22.2	-46.8	-31.9	0.15		
3.3	14.89	767.2	764.2	761.3	0.32	1.03	1.28	-22.1	-46.1	-32.6	0.12		
3.5	14.98	771.0	767.9	765.0	0.24	0.96	1.20	-21.8	-45.4	-32.9	0.10		
3.8	14.99	774.7	771.6	768.7	0.15	0.87	1.14	-21.7	-44.4	-33.1	0.09		
4.0	14.90	778.5	775.4	772.4	0.04	0.79	1.06	-21.5	-43.6	-33.3	0.08		
4.3	14.76	782.3	779.1	776.0	-0.05	0.69	0.99	-21.3	-42.8	-33.7	0.09		
4.5	14.46	786.1	782.8	779.7	-0.15	0.60	0.90	-21.1	-42.2	-33.6	0.10		
4.8	14.24	789.7	786.4	783.3	-0.22	0.52	0.81	-20.9	-41.5	-33.2	0.11		
5.0	13.98	793.3	790.0	786.8	-0.30	0.45	0.75	-20.6	-40.5	-33.0	0.12		
5.3	13.69	796.9	793.5	790.2	-0.37	0.37	0.67	-20.4	-39.6	-33.0	0.14		
5.5	13.40	800.3	796.9	793.6	-0.47	0.29	0.59	-20.2	-38.9	-33.1	0.16		
5.8	13.12	803.7	800.2	796.9	-0.57	0.19	0.50	-20.1	-38.3	-32.9	0.17		
6.0	12.84	807.0	803.5	800.2	-0.70	0.09	0.41	-19.9	-37.6	-32.4	0.20		

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