

Voltage Controlled Oscillator

ROS-470-319+

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			
0.00	12.55	430.4	427.8	425.6	1.69	2.17	2.10	-18.9	-31.0	-37.0	0.95	1	-93
0.25	11.19	433.3	431.0	428.9	1.69	2.24	2.21	-19.1	-31.1	-36.5	0.77	10	-117
1.00	8.53	441.1	439.0	437.2	1.64	2.29	2.37	-19.7	-31.4	-35.2	0.44	100	-138
1.50	7.75	445.3	443.3	441.5	1.65	2.32	2.39	-20.1	-31.7	-34.6	0.34	1000	-149
2.00	7.23	449.2	447.1	445.4	1.63	2.33	2.42	-20.3	-31.9	-34.3	0.28		
2.50	6.87	452.8	450.8	449.0	1.63	2.35	2.44	-20.5	-32.2	-34.0	0.22		
3.00	6.60	456.2	454.2	452.4	1.62	2.33	2.45	-20.6	-32.4	-33.8	0.18		
3.50	6.41	459.6	457.5	455.7	1.63	2.36	2.47	-20.7	-32.6	-33.7	0.14		
4.00	6.22	462.8	460.7	458.9	1.63	2.35	2.46	-20.8	-32.8	-33.6	0.10		
4.50	6.13	466.0	463.8	461.9	1.64	2.38	2.48	-21.0	-33.0	-33.6	0.07		
5.00	6.05	469.0	466.9	465.0	1.65	2.36	2.46	-21.0	-33.2	-33.5	0.03		
5.50	6.00	472.1	469.9	468.0	1.64	2.38	2.48	-21.1	-33.2	-33.5	0.01		
6.00	5.98	475.2	472.9	470.9	1.65	2.37	2.45	-21.1	-33.2	-33.5	0.02		
6.50	5.96	478.2	475.9	473.9	1.66	2.39	2.46	-21.2	-33.1	-33.6	0.05		
7.00	5.97	481.2	478.9	476.8	1.66	2.37	2.44	-21.3	-33.0	-33.8	0.07		
7.50	5.99	484.2	481.8	479.8	1.67	2.37	2.44	-21.4	-32.9	-34.1	0.11		
8.00	6.01	487.3	484.8	482.7	1.68	2.35	2.40	-21.4	-32.7	-34.3	0.12		
8.50	6.07	490.3	487.8	485.7	1.68	2.36	2.40	-21.4	-32.4	-34.6	0.13		
9.00	6.06	493.4	490.9	488.7	1.68	2.32	2.36	-21.3	-32.1	-34.9	0.14		
9.50	6.09	496.5	493.9	491.7	1.66	2.30	2.31	-21.3	-31.7	-35.3	0.14		
10.00	6.14	499.6	497.0	494.7	1.63	2.28	2.28	-21.4	-31.4	-35.8	0.14		
10.50	6.13	502.7	500.0	497.7	1.57	2.20	2.21	-21.3	-31.0	-36.2	0.13		
11.00	6.16	505.8	503.1	500.8	1.49	2.13	2.15	-21.3	-30.6	-36.8	0.10		
11.50	6.13	509.0	506.2	503.8	1.38	2.02	2.05	-21.1	-30.1	-37.2	0.07		
12.00	6.13	512.0	509.2	506.9	1.26	1.93	1.96	-21.0	-29.8	-37.6	0.02		

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