

Voltage Controlled Oscillator

ROS-470-519+

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	62.46	283.68	278.03	270.94	6.42	6.34	5.66	-8.45	-40.39	-48.58	1.81	1	-77
0.25	59.14	298.87	293.64	287.17	6.56	6.41	5.79	-12.12	-45.91	-47.14	1.51	10	-103
0.50	60.36	312.69	308.43	301.39	6.64	6.44	5.80	-12.14	-45.87	-45.57	1.43	100	-123
0.75	60.18	326.56	323.52	316.51	6.62	6.39	5.69	-15.61	-46.20	-44.14	0.95	1000	-143
1.00	58.68	341.26	338.56	331.73	6.57	6.33	5.64	-23.70	-45.89	-42.58	0.62		
1.25	56.92	355.74	353.23	346.58	6.54	6.29	5.64	-23.65	-45.11	-40.94	0.39		
1.50	55.29	369.81	367.46	361.00	6.53	6.28	5.72	-31.13	-44.15	-39.64	0.22		
1.75	53.99	383.49	381.28	375.00	6.52	6.27	5.81	-34.80	-43.20	-38.75	0.09		
2.00	53.21	396.88	394.78	388.66	6.49	6.23	5.86	-34.74	-42.26	-37.84	0.01		
2.25	52.38	410.11	408.08	402.08	6.43	6.17	5.87	-40.20	-41.51	-37.16	0.10		
2.50	51.53	423.15	421.18	415.28	6.40	6.13	5.86	-42.34	-40.58	-36.71	0.16		
2.75	50.89	435.99	434.06	428.25	6.37	6.11	5.85	-42.38	-39.69	-36.41	0.21		
3.00	50.68	448.72	446.78	440.99	6.35	6.09	5.84	-44.93	-38.85	-36.50	0.25		
3.25	50.73	461.45	459.45	453.58	6.27	6.04	5.81	-45.06	-37.94	-36.88	0.28		
3.50	50.95	474.23	472.14	466.08	6.12	5.91	5.71	-45.64	-36.78	-37.47	0.29		
3.75	51.32	487.10	484.87	478.57	5.87	5.70	5.53	-45.81	-35.98	-39.17	0.29		
4.00	52.08	500.12	497.70	491.12	5.48	5.35	5.24	-45.38	-35.06	-36.85	0.28		
4.25	52.63	513.32	510.72	503.84	4.92	4.84	4.80	-44.89	-34.11	-38.78	0.25		
4.50	53.25	526.64	523.88	516.76	4.13	4.12	4.18	-43.39	-33.05	-40.41	0.22		
4.75	53.52	540.08	537.19	529.92	3.14	3.19	3.35	-42.51	-32.11	-41.75	0.16		
5.00	53.16	553.53	550.57	543.26	1.98	2.06	2.31	-40.85	-30.85	-42.19	0.10		
5.25	52.29	566.82	563.86	556.63	0.71	0.81	1.14	-38.33	-29.76	-40.34	0.03		
5.50	51.29	579.86	576.94	569.85	-0.63	-0.51	-0.13	-36.58	-28.64	-37.69	0.05		
5.75	50.32	592.67	589.76	582.83	-1.98	-1.84	-1.44	-34.57	-27.61	-34.37	0.15		
6.00	49.44	605.26	602.34	595.53	-3.28	-3.15	-2.73	-33.24	-26.36	-31.54	0.25		
6.25	48.57	617.64	614.70	607.97	-4.63	-4.50	-4.02	-31.08	-25.50	-28.74	0.35		
6.50	47.80	629.81	626.84	620.17	-5.97	-5.86	-5.38	-29.48	-24.51	-26.15	0.43		
6.75	47.14	641.78	638.79	632.17	-7.31	-7.20	-6.70	-27.20	-24.22	-23.49	0.51		
7.00	47.14	653.59	650.58	643.99	-8.61	-8.51	-8.01	-25.13	-24.08	-21.53	0.57		

