

Voltage Controlled Oscillator

ROS-823-119+

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	16.11	781.8	778.7	775.9	3.32	3.18	2.87	-20.6	-28.1	-29.2	0.08	1	-90
0.25	14.51	785.6	782.7	780.1	3.29	3.16	2.88	-20.8	-28.7	-29.1	0.01	10	-114
0.50	13.55	789.2	786.3	783.9	3.26	3.15	2.88	-21.0	-29.4	-29.0	0.06	100	-135
0.75	12.93	792.5	789.7	787.3	3.23	3.14	2.88	-21.2	-30.0	-28.9	0.09	1000	-155
1.00	12.51	795.7	792.9	790.6	3.19	3.12	2.88	-21.4	-30.8	-28.9	0.11		
1.25	12.25	798.8	796.1	793.7	3.15	3.11	2.89	-21.6	-31.5	-29.1	0.12		
1.50	12.04	801.9	799.1	796.8	3.12	3.09	2.89	-21.8	-32.2	-29.1	0.13		
1.75	11.90	804.9	802.1	799.8	3.09	3.08	2.89	-21.8	-33.1	-29.1	0.13		
2.00	11.81	807.9	805.1	802.8	3.06	3.07	2.89	-21.9	-33.9	-29.2	0.13		
2.25	11.75	810.8	808.1	805.7	3.03	3.05	2.89	-22.0	-34.8	-29.2	0.12		
2.50	11.70	813.8	811.0	808.6	3.00	3.05	2.89	-22.1	-35.9	-29.3	0.12		
2.75	11.65	816.7	813.9	811.5	2.98	3.04	2.90	-22.1	-36.8	-29.6	0.11		
3.00	11.61	819.6	816.9	814.4	2.95	3.03	2.90	-22.2	-38.0	-29.8	0.11		
3.25	11.57	822.6	819.8	817.3	2.93	3.02	2.91	-22.1	-39.3	-29.8	0.10		
3.50	11.52	825.5	822.6	820.2	2.90	3.02	2.91	-22.2	-40.9	-29.9	0.09		
3.75	11.46	828.4	825.5	823.0	2.88	3.01	2.92	-22.2	-42.4	-30.2	0.09		
4.00	11.40	831.3	828.4	825.9	2.86	3.00	2.92	-22.3	-43.5	-30.4	0.09		
4.25	11.34	834.1	831.2	828.7	2.84	3.00	2.92	-22.4	-44.2	-30.5	0.09		
4.50	11.27	837.0	834.1	831.5	2.82	2.99	2.93	-22.4	-44.2	-30.8	0.09		
4.75	11.19	839.8	836.9	834.3	2.81	2.99	2.93	-22.5	-43.5	-31.1	0.10		
5.00	11.11	842.6	839.7	837.1	2.80	2.99	2.94	-22.4	-42.0	-31.2	0.11		
5.25	11.04	845.4	842.5	839.9	2.79	2.99	2.95	-22.3	-40.8	-31.3	0.12		
5.50	10.96	848.2	845.2	842.6	2.78	3.00	2.96	-22.3	-39.6	-31.4	0.13		
5.75	10.86	851.0	848.0	845.4	2.78	3.00	2.96	-22.2	-39.0	-31.4	0.15		
6.00	10.78	853.7	850.7	848.1	2.77	3.00	2.97	-22.2	-37.9	-31.4	0.17		
6.25	10.71	856.4	853.4	850.8	2.76	3.00	2.98	-22.2	-37.0	-31.4	0.18		
6.50	10.63	859.1	856.1	853.4	2.74	3.00	2.99	-22.2	-36.1	-31.5	0.20		
6.75	10.55	861.8	858.7	856.1	2.73	3.00	2.99	-22.1	-35.6	-31.6	0.22		
7.00	10.55	864.4	861.4	858.7	2.71	3.00	2.99	-22.1	-35.0	-31.5	0.24		

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