

Voltage Controlled Oscillator

ROS-ED6447/3

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			
0.3	25.10	231.7	230.3	229.0	2.28	2.41	2.46	-13.1	-29.3	-42.6	0.19	1	-78
0.5	21.90	237.2	235.7	234.5	2.39	2.56	2.58	-13.8	-29.1	-43.3		10	-100
0.8	19.70	242.1	240.7	239.5	2.52	2.69	2.71	-14.6	-29.1	-43.7		100	-120
1.0	18.30	246.7	245.2	244.0	2.69	2.84	2.79	-15.1	-28.8	-43.8		1000	-141
1.3	17.20	251.0	249.5	248.3	2.78	2.93	2.96	-15.7	-28.6	-44.1			
1.5	16.40	255.1	253.6	252.4	2.61	3.02	3.03	-16.3	-28.6	-44.0	0.04		
1.8	15.70	259.0	257.6	256.3	2.71	2.82	2.84	-16.7	-28.4	-43.4			
2.0	15.20	262.9	261.3	260.1	2.83	2.95	2.92	-17.2	-28.5	-43.0			
2.3	14.70	266.6	265.0	263.7	3.00	3.11	2.99	-17.6	-28.6	-42.4			
2.5	14.30	270.2	268.6	267.3	3.12	3.19	3.16	-18.0	-28.7	-42.0			
2.8	13.90	273.6	272.1	270.7	3.19	3.27	3.25	-18.4	-28.8	-41.4	0.10		
3.0	13.50	277.0	275.5	274.1	3.58	3.68	3.33	-18.7	-28.9	-40.7			
3.3	13.20	280.3	278.7	277.4	3.69	3.75	3.70	-19.1	-29.0	-40.1			
3.5	12.80	283.5	281.9	280.6	3.76	3.85	3.80	-19.2	-28.9	-39.6			
3.8	12.30	286.6	285.0	283.6	3.56	3.62	3.88	-19.6	-29.0	-39.1			
4.0	11.90	289.6	288.0	286.6	3.63	3.71	3.65	-19.9	-29.1	-38.6	0.10		
4.3	11.40	292.5	290.8	289.4	3.69	3.77	3.74	-20.1	-29.0	-38.3			
4.5	10.90	295.2	293.6	292.1	3.92	3.84	3.81	-20.4	-29.2	-37.7			
4.8	10.40	297.8	296.2	294.7	3.98	4.06	3.86	-20.4	-29.3	-37.6			
5.0	9.90	300.3	298.7	297.2	4.00	4.10	4.05	-20.6	-29.1	-37.1	0.03		
5.3	9.40	302.7	301.0	299.5	4.06	4.15	4.10	-20.7	-29.2	-37.2			
5.5	8.90	304.9	303.2	301.8	4.09	4.19	4.14	-20.9	-29.1	-36.9			
5.8	8.50	307.0	305.3	303.9	4.18	4.28	4.17	-21.1	-29.1	-36.8			
6.0	8.00	309.0	307.3	305.9	4.19	4.30	4.26	-21.3	-28.9	-36.9			