

Voltage Controlled Oscillator

ROS-ED13040/1

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	5.62	1989.69	1987.66	1985.85	6.86	7.43	7.29	-22.98	-26.46	-42.89	0.03	1	-96
0.50	5.04	1992.27	1990.34	1988.58	6.95	7.41	7.42	-22.80	-26.15	-43.27	0.04	10	-120
1.00	5.11	1994.75	1992.85	1991.08	7.06	7.54	7.54	-22.61	-25.88	-43.18	0.03	100	-140
1.50	5.60	1997.38	1995.47	1993.66	7.17	7.62	7.65	-22.49	-25.57	-43.43	0.03	1000	-160
2.00	6.45	2000.36	1998.39	1996.53	7.30	7.74	7.77	-22.40	-25.19	-43.90	0.03		
2.50	7.46	2003.84	2001.80	1999.86	7.43	7.86	7.88	-22.29	-24.80	-43.96	0.03		
3.00	8.24	2007.79	2005.69	2003.69	7.56	7.98	8.01	-22.21	-24.52	-44.04	0.01		
3.50	8.46	2011.98	2009.87	2007.84	7.68	8.08	8.13	-22.07	-24.34	-43.92	0.07		
4.50	7.95	2016.10	2014.03	2011.99	7.81	8.21	8.24	-21.92	-24.36	-43.50	0.16		
4.50	6.90	2019.83	2017.82	2015.80	7.89	8.29	8.33	-21.87	-24.61	-43.80	0.24		
5.00	5.69	2023.00	2021.06	2019.06	7.96	8.36	8.40	-21.81	-24.73	-43.94	0.26		
5.50	4.60	2025.62	2023.72	2021.73	8.03	8.42	8.47	-21.64	-24.79	-44.16	0.22		
6.00	3.83	2027.76	2025.90	2023.91	8.04	8.46	8.51	-21.72	-24.91	-44.42	0.15		
6.50	3.34	2029.56	2027.73	2025.74	8.09	8.49	8.56	-21.75	-24.94	-44.52	0.09		
7.00	3.06	2031.16	2029.35	2027.35	8.11	8.54	8.59	-21.71	-24.97	-44.73	0.05		



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