

Voltage Controlled Oscillator

ROS-190-219+

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	20.90	150.0	147.6	145.8	-0.41	-0.08	-0.25	-15.5	-35.0	-57.3	0.36	1	-87
0.25	19.55	155.2	152.8	151.2	-0.11	0.34	0.29	-16.2	-34.3	-53.5	0.83	10	-114
0.50	17.30	159.9	157.7	156.1	0.00	0.51	0.50	-17.0	-34.6	-52.3	0.98	100	-137
0.75	15.52	164.1	162.0	160.5	0.08	0.59	0.58	-17.7	-34.7	-51.1	0.75	1000	-156
1.00	14.26	167.9	165.9	164.5	0.13	0.64	0.63	-18.4	-34.9	-50.2	0.61		
1.25	13.31	171.4	169.4	168.1	0.17	0.67	0.67	-19.1	-35.1	-49.9	0.51		
1.50	12.57	174.7	172.8	171.4	0.19	0.69	0.68	-19.8	-35.2	-49.1	0.44		
1.75	11.95	177.8	175.9	174.6	0.20	0.70	0.69	-20.3	-35.3	-48.6	0.39		
2.00	11.41	180.7	178.9	177.6	0.21	0.69	0.69	-20.7	-35.5	-48.3	0.36		
2.25	10.93	183.6	181.7	180.5	0.20	0.68	0.68	-20.9	-35.8	-47.8	0.34		
2.50	10.48	186.3	184.5	183.2	0.18	0.66	0.66	-21.1	-35.9	-47.6	0.32		
2.75	10.07	188.9	187.1	185.9	0.16	0.63	0.63	-21.4	-35.8	-47.4	0.32		
3.00	9.66	191.4	189.6	188.4	0.12	0.59	0.59	-21.8	-35.5	-47.3	0.32		
3.25	9.26	193.7	192.0	190.8	0.08	0.54	0.54	-22.1	-35.4	-46.9	0.33		
3.50	8.87	196.0	194.3	193.2	0.02	0.49	0.50	-22.5	-35.6	-46.4	0.34		
3.75	8.47	198.2	196.6	195.4	-0.04	0.43	0.44	-22.7	-35.8	-46.3	0.35		
4.00	8.08	200.3	198.7	197.5	-0.10	0.37	0.38	-22.9	-35.8	-46.2	0.35		
4.25	7.68	202.3	200.7	199.6	-0.17	0.31	0.32	-23.1	-35.7	-45.8	0.35		
4.50	7.30	204.2	202.6	201.5	-0.24	0.24	0.26	-23.2	-35.4	-45.5	0.35		
4.75	6.92	206.0	204.4	203.3	-0.31	0.18	0.20	-23.3	-35.3	-45.3	0.35		
5.00	6.55	207.7	206.2	205.0	-0.38	0.11	0.14	-23.4	-35.3	-45.1	0.34		
5.25	6.20	209.4	207.8	206.7	-0.45	0.05	0.08	-23.5	-35.3	-45.2	0.33		
5.50	5.86	210.9	209.4	208.2	-0.52	-0.02	0.02	-23.7	-35.4	-45.2	0.32		
5.75	5.55	212.3	210.8	209.7	-0.60	-0.08	-0.05	-23.9	-35.4	-45.1	0.30		
6.00	5.25	213.7	212.2	211.1	-0.67	-0.14	-0.11	-24.0	-35.4	-44.9	0.29		
6.25	4.97	215.0	213.5	212.4	-0.74	-0.20	-0.17	-24.2	-35.3	-44.7	0.28		
6.50	4.71	216.3	214.8	213.7	-0.81	-0.27	-0.22	-24.3	-35.1	-44.6	0.26		
6.75	4.47	217.4	215.9	214.8	-0.88	-0.33	-0.28	-24.4	-34.9	-44.6	0.25		
7.00	4.47	218.5	217.1	215.9	-0.95	-0.39	-0.34	-24.5	-34.8	-44.6	0.24		

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