

Voltage Controlled Oscillator

ROS-1005-119+

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	28.94	938.4	935.6	933.0	2.67	1.36	0.36	-15.2	-30.4	-44.3	0.23	1	-85
0.25	26.50	945.5	942.9	940.6	2.66	1.46	0.45	-15.9	-30.6	-45.4	0.18	10	-109
0.50	25.16	951.9	949.5	947.3	2.76	1.53	0.51	-16.4	-30.5	-46.3	0.18	100	-129
0.75	24.69	958.1	955.8	953.6	2.83	1.62	0.61	-16.8	-31.0	-47.9	0.25	1000	-149
1.00	25.68	964.0	961.9	959.8	2.89	1.67	0.68	-17.2	-31.5	-48.2	0.35		
1.25	25.26	970.6	968.4	966.0	2.64	1.55	0.68	-17.1	-32.7	-49.2	0.44		
1.50	26.10	977.2	974.7	972.1	2.30	1.44	0.64	-17.0	-33.6	-50.4	0.46		
1.75	26.30	984.4	981.2	978.2	1.81	1.21	0.56	-16.6	-34.8	-50.2	0.48		
2.00	26.20	991.4	987.8	984.5	1.37	0.99	0.46	-16.4	-35.8	-51.2	0.47		
2.25	26.36	998.4	994.3	990.8	1.04	0.85	0.38	-16.5	-35.3	-51.6	0.42		
2.50	26.49	1005.4	1000.9	997.1	0.80	0.74	0.35	-16.6	-35.2	-53.8	0.44		
2.75	26.94	1012.3	1007.5	1003.5	0.69	0.72	0.35	-17.1	-35.4	-54.1	0.44		
3.00	27.36	1019.2	1014.3	1009.9	0.66	0.70	0.38	-17.4	-35.6	-53.6	0.46		
3.25	27.62	1026.3	1021.1	1016.5	0.50	0.63	0.37	-17.5	-35.8	-54.7	0.46		
3.50	27.11	1033.3	1028.0	1023.1	0.41	0.58	0.39	-17.6	-35.9	-55.1	0.45		
3.75	26.95	1040.3	1034.8	1029.8	0.33	0.58	0.39	-17.7	-35.1	-53.6	0.44		
3.90	26.76	1044.5	1038.8	1033.7	0.31	0.59	0.42	-17.9	-35.0	-53.5	0.44		
4.25	26.29	1054.1	1048.2	1042.8	0.26	0.60	0.48	-18.3	-35.3	-54.4	0.44		
4.50	25.89	1060.8	1054.8	1049.2	0.23	0.59	0.49	-18.7	-34.9	-54.1	0.44		
4.75	25.47	1067.4	1061.2	1055.5	0.22	0.59	0.51	-19.0	-34.3	-52.8	0.44		
5.00	24.94	1073.8	1067.6	1061.8	0.23	0.61	0.54	-19.5	-34.1	-55.4	0.44		
5.25	24.34	1080.1	1073.8	1067.9	0.25	0.62	0.55	-19.9	-34.2	-55.4	0.44		
5.50	23.82	1086.3	1079.9	1073.9	0.26	0.64	0.55	-20.1	-33.9	-54.0	0.43		
5.75	23.33	1092.3	1085.9	1079.7	0.29	0.67	0.58	-20.2	-34.2	-56.0	0.41		
6.00	23.33	1098.3	1091.7	1085.4	0.32	0.71	0.62	-20.6	-34.5	-55.1	0.39		

REV. X1
 ROS-1005-119+
 080204
 Page 1 of 1



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