

Voltage Controlled Oscillator

ROS-3432-119+

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	115.27	3138.1	3116.4	3099.0	3.43	3.46	3.04	-24.3	-33.9	-59.4	2.64	1	-71
0.25	103.60	3165.7	3145.2	3129.8	3.33	3.45	3.02	-24.6	-35.0	-62.4	1.72	10	-99
0.50	96.51	3190.8	3171.1	3156.2	3.30	3.35	3.01	-23.8	-33.7	-61.2	1.26	100	-121
0.75	89.87	3214.0	3195.2	3180.8	3.34	3.33	2.91	-24.3	-36.8	-60.4	0.94	1000	-141
1.00	87.29	3236.4	3217.7	3203.8	3.37	3.36	2.92	-23.3	-37.0	-61.1	0.73		
1.25	85.78	3258.2	3239.5	3225.6	3.37	3.38	2.97	-23.4	-37.0	-58.3	0.59		
1.50	83.65	3279.3	3261.0	3247.0	3.33	3.38	2.97	-24.3	-39.5	-59.1	0.48		
1.75	82.79	3300.1	3281.9	3268.1	3.29	3.34	2.96	-23.1	-38.8	-57.6	0.40		
2.00	82.04	3320.8	3302.6	3288.7	3.29	3.29	2.92	-23.2	-37.0	-60.1	0.32		
2.25	81.18	3341.1	3323.1	3309.2	3.30	3.28	2.85	-23.7	-38.7	-56.7	0.24		
2.50	81.39	3361.6	3343.4	3329.6	3.26	3.26	2.83	-24.1	-38.5	-57.2	0.17		
2.75	81.81	3382.0	3363.7	3349.7	3.22	3.21	2.83	-24.1	-36.7	-60.9	0.12		
3.00	81.07	3402.2	3384.2	3370.1	3.20	3.18	2.79	-23.3	-37.3	-61.6	0.10		
3.25	80.55	3422.3	3404.5	3390.6	3.16	3.16	2.75	-23.2	-37.5	-62.9	0.10		
3.50	82.03	3442.7	3424.6	3410.8	3.16	3.13	2.75	-22.9	-37.4	-63.4	0.11		
3.75	82.71	3463.3	3445.1	3430.9	3.17	3.12	2.73	-23.5	-38.0	-63.6	0.15		
4.00	82.51	3483.9	3465.8	3451.5	3.17	3.12	2.72	-24.8	-40.2	-63.3	0.21		
4.25	82.20	3504.5	3486.4	3472.2	3.13	3.13	2.73	-23.3	-37.0	-62.2	0.30		
4.50	82.21	3525.0	3507.0	3492.8	3.09	3.10	2.76	-23.4	-38.8	-59.4	0.45		
4.75	82.47	3545.7	3527.5	3513.2	3.08	3.06	2.69	-24.9	-37.8	-56.8	0.65		
5.00	82.03	3566.5	3548.1	3533.7	3.13	3.05	2.65	-25.1	-36.7	-54.0	0.94		
5.25	80.85	3587.0	3568.6	3554.2	3.20	3.09	2.68	-25.7	-36.9	-51.0	1.33		
5.50	79.01	3607.1	3588.9	3574.4	3.25	3.16	2.77	-25.0	-36.4	-51.1	1.85		
5.75	76.95	3626.9	3608.6	3594.2	3.24	3.23	2.84	-25.5	-36.9	-51.0	2.51		
6.00	75.10	3646.2	3627.8	3613.5	3.22	3.24	2.90	-26.3	-36.9	-53.2	3.28		
6.25	72.72	3665.1	3646.6	3632.2	3.18	3.22	2.91	-26.1	-40.5	-54.1	4.13		
6.50	69.58	3683.2	3664.8	3650.3	3.19	3.17	2.88	-26.6	-40.8	-53.9	4.99		
6.75	65.65	3700.5	3682.2	3667.8	3.24	3.16	2.85	-25.3	-43.2	-59.0	5.77		
7.00	65.65	3716.8	3698.6	3684.3	3.26	3.20	2.85	-24.5	-44.4	-63.3	6.48		

