

Voltage Controlled Oscillator

ROS-4040+

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			
0.0	7.01	3562.2	3556.0	3553.0	4.42	4.07	3.69	-22.1	-13.5	-40.5	0.25	1	-71
0.5	6.63	3565.6	3559.5	3556.5	4.46	4.06	3.71	-22.1	-13.7	-39.7	0.26	10	-97
1.0	6.77	3568.8	3562.8	3559.8	4.51	4.06	3.71	-22.1	-14.1	-39.2	0.26	100	-118
1.5	7.21	3572.1	3566.2	3563.2	4.59	4.07	3.72	-22.2	-14.5	-39.3	0.26	1000	-138
2.0	8.03	3575.7	3569.8	3566.9	4.68	4.10	3.73	-22.1	-15.1	-40.0	0.26		
2.5	9.21	3579.8	3573.8	3570.9	4.78	4.16	3.76	-21.9	-15.6	-41.0	0.26		
3.0	10.80	3584.5	3578.4	3575.4	4.87	4.24	3.81	-21.5	-15.8	-41.3	0.26		
3.5	12.61	3590.0	3583.8	3580.7	4.96	4.34	3.89	-21.1	-15.3	-41.5	0.27		
4.0	14.39	3596.2	3590.1	3587.0	5.02	4.47	4.00	-20.8	-14.8	-42.4	0.27		
4.5	16.38	3603.2	3597.3	3594.3	5.09	4.56	4.13	-21.0	-15.2	-44.8	0.24		
5.0	18.82	3611.3	3605.5	3602.6	5.22	4.64	4.21	-21.6	-15.8	-44.8	0.20		
5.5	21.99	3620.9	3614.9	3612.2	5.33	4.76	4.32	-22.6	-15.6	-43.8	0.15		
6.0	25.24	3631.9	3625.9	3623.2	5.35	4.87	4.44	-23.3	-15.7	-48.1	0.11		
6.5	28.53	3644.3	3638.5	3635.9	5.41	4.93	4.52	-23.7	-17.7	-48.9	0.06		
7.0	29.74	3658.3	3652.8	3650.2	5.41	4.96	4.52	-24.0	-17.9	-51.5	0.00		
7.5	31.97	3672.6	3667.6	3665.5	5.49	4.96	4.50	-25.4	-18.0	-51.1	0.09		
8.0	35.31	3688.7	3683.6	3681.8	5.68	5.03	4.52	-24.6	-18.4	-57.5	0.14		
8.5	39.06	3706.2	3701.3	3699.6	6.01	5.28	4.70	-25.7	-19.6	-61.3	0.22		
9.0	41.79	3726.0	3720.8	3719.0	6.30	5.58	4.97	-27.2	-21.1	-53.0	0.27		
9.5	44.56	3747.1	3741.7	3740.0	6.33	5.79	5.19	-27.7	-21.5	-48.2	0.31		
10.0	45.75	3768.8	3764.0	3762.6	6.22	5.64	5.05	-28.5	-21.7	-46.3	0.38		
10.5	47.57	3791.8	3786.9	3785.4	6.44	5.62	4.92	-29.8	-22.8	-46.1	0.41		
11.0	51.35	3816.8	3810.6	3808.7	6.99	6.06	5.27	-30.6	-24.4	-47.3	0.45		
11.5	52.21	3843.2	3836.3	3834.0	7.08	6.39	5.64	-31.7	-26.2	-50.5	0.49		
12.0	50.62	3869.5	3862.4	3860.1	6.91	6.26	5.54	-31.4	-26.0	-54.2	0.50		
12.5	52.08	3895.7	3887.7	3885.0	7.14	6.23	5.44	-31.2	-27.5	-53.4	0.53		
13.0	53.66	3922.7	3913.8	3910.0	7.67	6.66	5.76	-28.1	-30.5	-56.5	0.56		
13.5	51.97	3950.0	3940.6	3936.3	7.73	6.98	6.12	-28.7	-29.8	-58.7	0.57		
14.0	50.14	3976.7	3966.6	3961.7	7.69	6.95	6.15	-26.2	-29.6	-58.7	0.60		
14.5	47.43	4001.8	3991.7	3986.6	7.84	6.92	6.08	-25.2	-29.9	-59.7	0.56		
15.0	52.05	4028.4	4015.4	4009.8	8.16	7.07	6.15	-24.4	-29.0	-59.3	0.54		
15.5	47.38	4054.7	4041.4	4033.8	8.21	7.38	6.37	-23.1	-27.6	-57.4	0.55		
16.0	42.21	4077.0	4065.1	4058.7	8.05	7.35	6.48	-22.1	-26.3	-56.6	0.45		
16.5	43.70	4100.4	4086.2	4079.7	8.07	7.20	6.38	-21.6	-25.0	-57.3	0.41		
17.0	40.11	4122.1	4108.0	4100.2	8.34	7.24	6.28	-20.4	-25.2	-56.9	0.37		
17.5	40.95	4144.1	4128.1	4120.3	8.58	7.45	6.41	-20.5	-24.4	-56.1	0.31		
18.0	40.39	4165.1	4148.6	4140.0	8.51	7.67	6.58	-20.1	-24.2	-56.4	0.30		
18.5	32.11	4182.2	4168.8	4160.4	8.30	7.63	6.66	-19.9	-25.0	-56.7	0.19		
19.5	34.94	4217.2	4199.9	4192.4	8.38	7.30	6.40	-19.2	-24.6	-54.9	0.08		
20.0	34.94	4233.4	4217.3	4207.2	8.58	7.33	6.24	-18.4	-25.0	-56.1	0.03		