

Voltage Controlled Oscillator

ROS-ED8974/1

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			
0.5	74.32	3174.9	3140.7	3119.6	7.84	7.50	6.76	-32.7	-33.7	-45.3	0.56	1	-60
1.0	62.36	3206.7	3171.9	3151.0	7.94	7.53	7.10	-31.1	-32.8	-49.4	0.72	10	-92
1.5	62.12	3237.8	3203.0	3181.1	7.92	7.56	6.95	-29.5	-33.4	-48.2	0.96	100	-112
2.0	64.16	3270.1	3235.0	3212.7	7.74	7.62	7.25	-28.3	-33.1	-44.4	1.12	1000	-132
2.5	67.00	3305.1	3268.5	3245.8	8.01	7.37	7.11	-26.9	-31.5	-43.7	1.08		
3.0	70.88	3341.0	3304.0	3280.1	7.66	7.67	7.02	-25.7	-30.0	-39.7	0.75		
3.5	70.08	3376.2	3339.0	3315.0	7.03	7.33	7.23	-26.7	-29.8	-43.9	0.31		
4.0	66.18	3410.8	3372.1	3348.0	7.27	6.69	6.68	-26.8	-28.9	-46.3	0.19		
4.5	62.86	3442.4	3403.5	3378.5	7.20	6.86	6.24	-26.3	-28.0	-47.3	0.58		
5.0	55.98	3470.5	3431.5	3406.6	6.55	6.92	6.40	-26.3	-27.4	-48.2	0.80		
5.5	48.80	3495.7	3455.9	3431.1	6.12	6.50	6.51	-26.1	-27.6	-48.0	0.89		
6.0	42.48	3517.1	3477.2	3452.0	6.04	5.98	6.18	-25.7	-28.2	-48.1	0.96		
6.5	36.32	3535.0	3495.3	3469.7	6.03	5.68	5.67	-25.8	-28.4	-48.5	0.98		
7.0	30.06	3550.0	3510.4	3484.5	5.87	5.60	5.32	-25.2	-29.0	-48.4	0.83		
7.5	24.32	3562.2	3522.5	3496.7	5.70	5.77	5.14	-25.0	-29.2	-47.5	0.67		
8.0	19.38	3572.3	3532.2	3506.5	5.53	5.57	5.09	-24.9	-28.9	-46.9	0.40		
8.5	15.40	3580.1	3539.9	3514.1	5.33	5.53	5.07	-25.1	-28.9	-47.9	0.26		
9.0	12.22	3586.4	3546.0	3520.2	5.17	5.45	5.03	-25.2	-29.8	-46.8	0.01		
9.5	9.84	3591.3	3550.9	3525.1	5.02	5.38	5.01	-25.3	-30.2	-48.1	0.19		
10.0	8.10	3595.4	3555.0	3529.1	4.90	5.30	4.99	-25.3	-30.6	-47.7	0.31		
10.5	6.74	3598.9	3558.4	3532.4	4.82	5.24	4.94	-25.6	-30.5	-47.1	0.36		
11.0	5.84	3601.9	3561.3	3535.3	4.77	5.19	4.93	-25.6	-30.8	-47.3	0.46		
11.5	5.06	3604.5	3563.8	3537.8	4.71	5.13	4.92	-25.8	-30.7	-47.5	0.55		
12.0	4.50	3606.8	3566.1	3540.0	4.67	5.10	4.88	-25.7	-30.7	-48.0	0.55		
12.5	3.86	3608.9	3568.0	3542.0	4.63	5.03	4.85	-25.4	-30.7	-47.8	0.50		
13.0	3.86	3610.7	3569.9	3543.8	4.59	4.99	4.83	-25.4	-30.4	-46.6	0.55		
13.5	3.32	3612.4	3571.6	3545.5	4.56	4.97	4.82	-25.7	-30.2	-47.4	0.55		
14.0	3.24	3614.0	3573.2	3547.0	4.53	4.90	4.80	-25.6	-30.1	-47.0	0.54		
14.5	2.98	3615.5	3574.7	3548.5	4.51	4.88	4.79	-25.6	-30.6	-47.5	0.50		
15.0	2.60	3616.9	3576.0	3549.8	4.48	4.86	4.77	-25.8	-30.2	-47.4	0.55		
15.5	2.60	3618.2	3577.3	3551.1	4.48	4.83	4.75	-25.6	-30.5	-47.2	0.59		
16.0	2.38	3619.3	3578.5	3552.2	4.46	4.78	4.74	-25.7	-30.6	-47.1	0.54		
16.5	2.24	3620.5	3579.6	3553.3	4.43	4.75	4.71	-25.7	-30.4	-47.0	0.54		
17.0	2.16	3621.7	3580.7	3554.4	4.41	4.74	4.69	-25.5	-30.4	-46.5	0.50		
17.5	2.08	3622.7	3581.7	3555.3	4.42	4.72	4.68	-25.5	-30.5	-46.9	0.59		
18.0	1.98	3623.7	3582.7	3556.3	4.40	4.64	4.66	-25.6	-30.4	-47.1	0.50		
18.5	1.80	3624.5	3583.6	3557.2	4.38	4.60	4.65	-25.7	-30.5	-46.8	0.55		
19.0	1.80	3625.4	3584.5	3558.1	4.36	4.61	4.62	-25.4	-30.6	-46.4	0.59		
19.5	1.70	3626.3	3585.4	3558.9	4.33	4.59	4.60	-25.6	-30.4	-47.1	0.50		
20.0	1.62	3627.1	3586.2	3559.7	4.31	4.56	4.58	-25.8	-30.3	-46.8	0.54		