

Voltage Controlled Oscillator

ROS-ED9628/1

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			
0.6	29.46	3192.3	3174.6	3161.0	0.95	-0.83	-4.02	-40.0	-42.2		0.60	1	-78
1.3	22.41	3206.7	3188.7	3174.3	0.98	-0.71	-3.47	-40.7	-41.6		0.80	10	-104
1.9	19.56	3219.0	3201.0	3186.0	1.06	-0.63	-3.13	-40.5	-41.7		0.95	100	-123
2.5	17.97	3230.4	3212.3	3196.9	1.16	-0.54	-2.91	-39.7	-42.8		1.10	1000	-139
3.2	17.08	3241.2	3223.1	3207.4	1.27	-0.41	-2.74	-39.4	-41.7		1.15		
3.8	16.63	3251.6	3233.6	3217.6	1.35	-0.27	-2.57	-39.1	-41.6		1.25		
4.4	16.38	3261.9	3243.9	3227.7	1.43	-0.15	-2.38	-37.2	-40.9		1.35		
5.0	16.32	3272.1	3254.2	3237.8	1.50	-0.05	-2.20	-39.2	-41.0		1.50		
5.7	16.44	3282.4	3264.5	3248.0	1.53	0.00	-2.03	-37.9	-40.0		1.55		
6.3	16.76	3292.9	3275.1	3258.4	1.49	0.03	-1.93	-36.7	-40.6		1.75		
6.9	17.08	3303.4	3285.8	3269.1	1.54	0.04	-1.87	-37.6	-39.9		1.88		
7.6	17.46	3314.2	3296.8	3280.1	1.59	0.02	-1.86	-36.6	-40.7		2.02		
8.2	17.97	3325.2	3308.2	3291.4	1.64	0.02	-1.85	-36.6	-40.1		2.07		
8.8	18.25	3336.3	3319.7	3303.1	1.70	0.04	-1.86	-36.2	-40.3		2.17		
9.5	18.48	3347.5	3331.3	3314.9	1.73	0.07	-1.84	-35.9	-40.5		2.20		
10.1	18.49	3358.7	3343.0	3326.8	1.73	0.10	-1.82	-34.4	-40.7		2.23		
10.7	18.38	3369.7	3354.5	3338.7	1.72	0.09	-1.77	-35.6	-40.7		2.17		
11.3	17.95	3380.5	3365.8	3350.3	1.71	0.05	-1.77	-34.5	-41.0		2.12		
12.0	17.36	3391.0	3376.8	3361.6	1.68	0.01	-1.81	-35.1	-40.2		2.03		
12.6	16.63	3401.1	3387.3	3372.4	1.67	-0.04	-1.87	-35.5	-40.3		1.98		
13.2	15.87	3410.7	3397.3	3382.6	1.66	-0.08	-1.94	-35.7	-41.7		1.93		
13.9	14.97	3419.8	3406.7	3392.2	1.64	-0.13	-2.02	-36.3	-41.2		1.80		
14.5	14.03	3428.4	3415.5	3401.3	1.60	-0.18	-2.09	-36.0	-41.2		1.75		
15.1	13.14	3436.6	3423.8	3409.7	1.53	-0.24	-2.16	-36.4	-41.4		1.74		
15.8	12.38	3444.3	3431.6	3417.6	1.42	-0.35	-2.23	-37.1	-40.8		1.70		
16.4	11.57	3451.5	3438.9	3425.0	1.30	-0.47	-2.33	-38.1	-41.2		1.73		
17.0	10.86	3458.2	3445.7	3431.9	1.15	-0.62	-2.45	-38.0	-41.4		1.75		
17.6	10.21	3464.7	3452.2	3438.3	1.02	-0.76	-2.58	-37.6	-40.3		1.70		
18.3	9.56	3470.7	3458.2	3444.4	0.88	-0.93	-2.73	-40.0	-41.8		1.76		
18.9	9.02	3476.3	3463.9	3450.0	0.74	-1.08	-2.87	-40.1	-40.6		1.80		
19.5	8.51	3481.7	3469.2	3455.4	0.62	-1.22	-3.01	-41.0	-40.9		1.80		
20.2	8.00	3486.7	3474.3	3460.5	0.52	-1.35	-3.16	-41.1	-40.7		1.85		
20.8	7.60	3491.5	3479.1	3465.3	0.44	-1.46	-3.30	-40.6	-40.4		1.85		
21.4	7.25	3496.0	3483.6	3469.9	0.38	-1.57	-3.43	-41.2	-40.3		1.91		
22.1	6.78	3500.3	3487.9	3474.2	0.32	-1.65	-3.55	-41.6	-40.5		1.93		
22.7	6.49	3504.4	3492.0	3478.3	0.28	-1.74	-3.65	-40.1	-40.3		1.93		
23.3	6.16	3508.2	3495.9	3482.2	0.27	-1.81	-3.75	-40.5	-39.8		1.90		
23.9	5.81	3511.9	3499.5	3485.9	0.21	-1.85	-3.83	-41.5	-39.2		1.85		
24.6	5.48	3515.3	3503.0	3489.4	0.19	-1.90	-3.89	-41.7	-39.3		1.86		
25.2	5.24	3518.6	3506.3	3492.7	0.17	-1.96	-3.94	-41.6	-38.2		1.86		