

Voltage Controlled Oscillator

ROS-ED8847/1

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	43.98	3556.7	3524.2	3498.0	9.35	8.80	8.26	-27.1	-38.6	-43.5	0.61	1	-60
1.0	37.72	3575.8	3543.0	3517.0	9.23	8.99	8.46	-26.9	-40.1	-42.6	0.68	10	-92
1.5	36.50	3594.9	3561.3	3535.4	8.93	9.02	8.74	-27.3	-40.9	-43.5	0.74	100	-112
2.0	37.84	3615.6	3580.2	3554.0	8.77	8.88	8.82	-28.1	-41.6	-43.3	0.79	1000	-132
2.5	41.06	3637.2	3600.7	3573.6	8.76	8.62	8.73	-31.5	-43.4	-43.5	0.77		
3.0	42.62	3659.0	3622.1	3594.2	8.87	8.43	8.45	-36.9	-42.7	-43.5	0.61		
3.5	42.70	3680.3	3643.4	3615.4	8.75	8.52	8.24	-35.4	-45.8	-42.4	0.40		
4.0	40.02	3702.0	3663.4	3635.7	8.59	8.56	8.19	-31.0	-41.7	-42.9	0.19		
4.5	37.40	3721.6	3682.1	3654.0	8.28	8.45	8.20	-29.4	-39.5	-42.6	0.04		
5.0	34.34	3739.1	3699.3	3670.1	8.01	8.21	8.07	-28.8	-37.1	-42.4	0.01		
5.5	30.46	3754.6	3714.5	3685.5	7.87	7.94	7.95	-28.8	-36.3	-42.4	0.01		
6.0	26.30	3768.3	3727.7	3699.2	7.83	7.66	7.76	-28.3	-35.2	-42.5	0.06		
6.5	22.96	3780.0	3739.1	3710.5	7.77	7.52	7.56	-28.3	-33.9	-42.0	0.10		
7.0	18.82	3790.0	3748.6	3720.1	7.67	7.40	7.35	-28.4	-34.4	-42.3	0.06		
7.5	15.60	3798.4	3756.4	3728.0	7.56	7.31	7.17	-29.0	-34.7	-49.1	0.01		
8.0	12.86	3805.4	3762.8	3734.4	7.49	7.27	7.07	-29.1	-34.2	-49.1	0.08		
8.5	10.32	3810.9	3767.9	3739.6	7.39	7.22	6.98	-29.6	-33.5	-49.2	0.17		
9.0	8.40	3815.3	3772.1	3743.7	7.31	7.14	6.91	-29.8	-33.1	-48.4	0.25		
9.5	6.94	3818.7	3775.6	3747.1	7.22	7.14	6.87	-30.0	-32.7	-48.8	0.27		
10.0	5.68	3821.6	3778.5	3749.9	7.15	7.14	6.83	-29.9	-32.8	-47.9	0.37		
10.5	4.80	3824.1	3780.9	3752.3	7.06	7.09	6.81	-30.0	-32.8	-48.3	0.40		
11.0	4.18	3826.1	3782.9	3754.3	7.01	7.09	6.79	-30.2	-32.9	-48.7	0.39		

