

Voltage Controlled Oscillator

SOS-600-519+

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	37.85	544.9	540.5	536.4	-7.98	-6.68	-6.47	-13.4	-39.1	-49.0	0.01	1	-80
0.3	35.93	554.1	550.0	546.1	-7.94	-6.54	-6.32	-14.4	-39.6	-47.7	0.00	10	-106
0.5	35.63	562.9	559.0	555.2	-7.96	-6.50	-6.22	-15.2	-39.3	-47.0	0.23	100	-127
0.8	36.34	573.7	569.7	565.9	-8.01	-6.51	-6.14	-15.9	-39.4	-46.3	0.35	1000	-146
1.0	37.14	581.0	576.9	573.0	-8.04	-6.51	-6.09	-16.6	-39.6	-46.6	0.29		
1.3	38.68	590.5	586.2	582.1	-8.04	-6.48	-6.01	-17.5	-40.2	-47.3	0.12		
1.5	40.81	600.4	595.9	591.6	-8.00	-6.42	-5.92	-18.5	-41.0	-48.3	0.05		
1.8	43.60	610.8	606.1	601.6	-7.95	-6.33	-5.82	-19.6	-42.3	-50.6	0.11		
2.0	46.69	622.1	617.0	612.2	-7.89	-6.24	-5.70	-20.7	-43.6	-53.3	0.09		
2.2	48.91	631.9	626.3	621.2	-7.85	-6.15	-5.58	-21.7	-44.3	-55.2	0.09		
2.5	51.32	647.2	641.0	635.4	-7.74	-6.01	-5.40	-23.1	-45.2	-55.8	0.11		
2.8	51.98	660.4	653.9	647.9	-7.57	-5.84	-5.22	-24.4	-45.5	-54.7	0.11		
3.0	51.50	673.8	666.8	660.5	-7.34	-5.64	-5.03	-25.4	-45.8	-53.4	0.03		
3.3	49.78	686.9	679.7	673.2	-7.10	-5.40	-4.80	-26.6	-46.1	-53.4	0.08		
3.5	46.90	699.6	692.2	685.4	-6.91	-5.17	-4.58	-28.1	-46.8	-53.8	0.17		
3.8	42.89	711.5	703.9	697.0	-6.82	-5.01	-4.38	-29.6	-48.0	-53.4	0.18		
4.0	37.77	722.3	714.6	707.6	-6.74	-4.92	-4.23	-31.4	-50.4	-52.4	0.09		
4.3	32.07	731.7	724.1	717.0	-6.62	-4.83	-4.13	-32.7	-53.0	-51.4	0.05		
4.5	26.27	739.8	732.1	725.1	-6.47	-4.74	-4.04	-33.8	-56.3	-50.9	0.22		
4.8	20.86	746.3	738.6	731.7	-6.34	-4.65	-3.96	-34.4	-61.2	-51.1	0.42		
5.0	20.86	751.5	743.9	737.0	-6.24	-4.55	-3.91	-34.6	-65.1	-51.9	0.61		