

Voltage Controlled Oscillator

POS-ED7116/7

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			
1.0	18.10	369.1	368.5	367.5	8.78	8.65	7.79	-16.2	-51.5	-51.9	0.16	1	-85
2.0	14.50	383.7	383.0	381.7	9.06	8.99	8.27	-18.4	-49.0	-51.2	0.12	10	-105
3.0	13.30	397.1	396.3	394.7	8.92	8.87	8.27	-20.9	-47.2	-51.1	0.09	100	-125
4.0	13.20	410.4	409.4	407.7	8.59	8.56	7.93	-23.7	-46.0	-50.2	0.07	1000	-145
5.0	13.50	423.9	422.9	421.0	8.32	8.25	7.62	-26.5	-45.5	-48.8	0.05		
6.0	14.10	438.1	437.0	434.8	8.01	7.90	7.30	-29.6	-43.1	-45.8	0.03		
7.0	14.80	453.0	451.8	449.5	7.91	7.78	7.05	-33.0	-43.0	-43.5	0.02		
8.0	15.20	468.3	467.0	464.6	7.92	7.76	6.90	-37.2	-43.7	-41.7	0.04		
9.0	15.30	483.6	482.3	479.8	7.69	7.52	6.73	-41.7	-43.7	-39.5	0.05		
10.0	14.90	498.6	497.2	494.7	7.56	7.35	8.28	-41.7	-44.0	-38.2	0.07		
11.0	14.20	512.8	511.4	508.9	7.06	6.80	5.95	-39.6	-43.8	-36.4			
12.0	13.30	526.1	524.7	522.3	6.71	6.39	5.53	-37.6	-47.0	-35.3			
13.0	12.40	538.5	537.1	534.7	6.22	5.93	5.13	-35.5	-49.2	-34.3			
14.0	11.30	549.8	548.4	545.9	5.40	5.13	4.30	-34.2	-55.2	-33.6			
15.0	9.90	559.9	558.3	555.9	5.18	4.88	4.06	-33.1	-52.9	-33.1			
16.0	8.60	568.5	566.9	564.8	4.39	4.05	3.49	-32.0	-46.5	-33.3			
17.0	7.60	575.7	574.5	572.7	3.73	3.45	2.74	-31.2	-44.0	-33.4			
18.0	6.90	582.4	581.4	579.7	3.14	2.93	2.30	-30.5	-41.7	-33.2			
19.0	6.10	588.5	587.5	585.8	2.59	2.45	1.83	-29.9	-40.4	-33.3			
20.0	5.40	593.9	592.9	591.2	2.22	2.08	1.49	-29.4	-39.6	-34.1			