

Voltage Controlled Oscillator

JCOS-EDR4787

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	7.30	113.4	112.6	112.1	9.88	10.02	9.93	-16.4	-35.2	-57.7	-0.32	1	-97
1.0	6.30	116.5	115.8	115.2	9.83	9.99	9.91	-16.9	-35.4	-57.3	-0.13	10	-118
1.5	5.00	119.0	118.3	117.8	9.73	9.92	9.83	-17.3	-35.8	-56.7	-0.13	100	-139
2.0	4.60	121.3	120.6	120.1	9.63	9.83	9.75	-17.7	-36.2	-56.4	-0.06	1000	-157
2.5	4.20	123.5	122.7	122.2	9.52	9.73	9.66	-18.0	-36.5	-56.4	-0.06		
3.0	4.00	125.4	124.7	124.1	9.41	9.63	9.56	-18.3	-36.8	-56.5	0.00		
3.5	3.70	127.3	126.5	126.1	9.28	9.51	9.46	-18.6	-37.2	-57.0	-0.06		
4.0	3.70	129.1	128.4	127.9	9.15	9.40	9.35	-18.8	-37.4	-57.2	-0.06		
4.5	3.60	130.9	130.2	129.7	9.02	9.27	9.24	-19.1	-37.7	-57.3	0.00		
5.0	3.50	132.7	131.9	131.5	8.89	9.14	9.12	-19.3	-37.9	-57.6	-0.13		
5.5	3.60	134.5	133.7	133.2	8.75	9.00	9.00	-19.6	-38.1	-57.6	-0.06		
6.0	3.60	136.2	135.5	135.0	8.61	8.87	8.88	-19.7	-38.3	-57.5	0.00		
6.5	3.30	137.9	137.2	136.6	8.47	8.72	8.75	-19.8	-38.4	-58.0	-0.06		
7.0	3.30	139.5	138.8	138.4	8.33	8.58	8.62	-20.1	-38.5	-58.1	-0.06		
7.5	3.30	141.1	140.5	140.0	8.19	8.43	8.49	-20.2	-38.6	-58.3	-0.06		
8.0	3.10	142.8	142.0	141.6	8.04	8.28	8.35	-20.4	-38.7	-58.6	-0.13		
8.5	3.20	144.3	143.6	143.2	7.89	8.13	8.22	-20.6	-38.8	-58.8	-0.06		
9.0	2.90	145.7	145.1	144.6	7.73	7.98	8.08	-20.7	-38.9	-59.1	-0.06		
9.5	2.70	147.1	146.4	146.1	7.58	7.84	7.94	-20.8	-38.9	-59.1	-0.13		
10.0	2.70	148.5	147.8	147.4	7.43	7.71	7.81	-20.9	-39.1	-58.9	-0.13		
10.5	2.70	149.8	149.1	148.7	7.29	7.58	7.68	-20.9	-39.2	-59.4	-0.06		
11.0	2.30	151.0	150.3	149.8	7.15	7.45	7.55	-21.1	-39.2	-59.7	-0.13		
11.5	2.30	152.1	151.4	151.0	7.02	7.34	7.43	-21.1	-39.4	-60.0	-0.13		
12.0	2.00	153.2	152.5	152.1	6.89	7.23	7.32	-21.2	-39.4	-59.7	-0.06		