

Voltage Controlled Oscillator

POS-535+

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	31.50	285.0	278.9	274.8	8.25	8.38	8.25	-26.6	-37.3	-34.1	0.97	1	-70
2.0	26.00	310.2	304.9	301.2	8.55	8.95	8.94	-30.9	-41.3	-33.7	0.64	10	-93
3.0	20.90	331.3	325.8	321.5	8.49	9.23	9.33	-35.3	-40.9	-35.4	0.97	100	-116
4.0	20.90	352.8	346.7	341.3	8.61	9.35	9.47	-38.4	-41.9	-37.0	0.41	1000	-139
5.0	17.80	370.7	364.5	358.8	8.76	9.43	9.49	-41.5	-40.0	-41.0	0.07		
6.0	16.20	386.8	380.7	374.9	8.70	9.37	9.34	-43.3	-36.9	-43.6	-0.36		
7.0	16.80	402.9	397.5	393.2	8.12	8.91	9.07	-45.7	-37.1	-38.6	1.04		
8.0	23.90	427.1	421.3	416.1	7.81	8.00	8.91	-43.7	-37.4	-35.8	0.35		
9.0	20.30	447.0	441.6	436.5	7.73	8.53	8.63	-41.6	-40.1	-36.2	-0.14		
10.0	18.00	464.8	459.6	454.8	7.80	8.51	8.55	-39.9	-42.7	-39.7	-0.23		
11.0	16.30	480.8	476.0	471.0	7.78	8.49	8.56	-38.3	-43.3	-35.7	-0.37		
12.0	11.90	490.3	487.9	483.7	7.40	8.25	8.35	-37.6	-42.5	-32.1	-0.58		
13.0	16.80	511.1	504.8	500.4	6.94	7.76	8.08	-37.9	-40.0	-32.6	0.93		
14.0	19.60	531.2	524.4	519.3	7.04	7.73	7.95	-34.5	-36.7	-33.1	0.73		
15.0	17.30	548.7	541.7	536.1	7.34	7.96	8.11	-32.7	-35.2	-34.0	0.38		
16.0	14.60	563.3	556.3	550.4	7.41	8.08	8.21	-29.5	-33.2	-41.1	0.12		

REV. X1
 POS-535+
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 Page 1 of 1



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