

Voltage Controlled Oscillator

ROS-1960-219+

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			
0.00	9.25	1943.6	1941.0	1939.5	4.53	4.94	4.79	-26.6	-27.7	-43.3	0.17	1	-93
0.25	8.41	1945.8	1943.3	1941.9	4.57	4.99	4.85	-26.5	-27.9	-43.3	0.13	10	-121
0.50	7.93	1947.8	1945.4	1944.1	4.61	5.03	4.89	-26.5	-28.0	-43.3	0.11	100	-142
0.75	7.65	1949.8	1947.4	1946.1	4.64	5.07	4.93	-26.4	-28.2	-43.3	0.09	1000	-161
1.00	7.49	1951.7	1949.3	1948.0	4.67	5.10	4.97	-26.4	-28.4	-43.3	0.08		
1.25	7.41	1953.5	1951.2	1949.9	4.70	5.13	5.00	-26.4	-28.6	-43.4	0.07		
1.50	7.40	1955.4	1953.0	1951.8	4.72	5.15	5.03	-26.3	-28.7	-43.6	0.07		
1.75	7.45	1957.2	1954.9	1953.6	4.74	5.17	5.05	-26.2	-28.9	-43.9	0.06		
2.00	7.55	1959.1	1956.7	1955.5	4.76	5.20	5.07	-26.2	-29.1	-44.0	0.05		
2.25	7.69	1961.0	1958.6	1957.4	4.78	5.22	5.09	-26.1	-29.2	-44.3	0.04		
2.50	7.87	1963.0	1960.6	1959.3	4.80	5.24	5.11	-26.0	-29.3	-44.3	0.03		
2.75	8.08	1965.0	1962.5	1961.2	4.82	5.26	5.13	-26.0	-29.4	-44.1	0.03		
3.00	8.32	1967.1	1964.5	1963.2	4.84	5.27	5.15	-25.9	-29.6	-43.9	0.02		
3.25	8.56	1969.2	1966.6	1965.3	4.85	5.29	5.17	-25.9	-29.7	-43.5	0.02		
3.50	8.77	1971.4	1968.8	1967.4	4.88	5.31	5.19	-25.9	-29.9	-43.1	0.02		
3.75	8.94	1973.6	1971.0	1969.6	4.89	5.33	5.20	-25.9	-30.1	-42.9	0.05		
4.00	9.04	1975.9	1973.2	1971.8	4.91	5.34	5.22	-25.9	-30.4	-42.9	0.09		
4.25	9.02	1978.2	1975.4	1974.1	4.91	5.36	5.23	-26.0	-30.8	-43.3	0.17		
4.50	8.91	1980.4	1977.7	1976.3	4.92	5.36	5.24	-26.2	-31.2	-43.9	0.26		
4.75	8.67	1982.6	1979.9	1978.6	4.93	5.37	5.24	-26.3	-31.7	-44.5	0.38		
5.00	8.35	1984.8	1982.1	1980.7	4.95	5.37	5.25	-26.4	-32.2	-45.0	0.50		
5.25	7.99	1986.9	1984.2	1982.9	4.97	5.38	5.25	-26.3	-32.6	-45.4	0.62		
5.50	7.55	1988.8	1986.2	1984.9	4.97	5.38	5.25	-26.5	-33.0	-45.5	0.72		
5.75	7.04	1990.7	1988.1	1986.8	4.97	5.38	5.25	-26.7	-33.5	-45.3	0.80		
6.00	6.48	1992.5	1989.8	1988.6	4.97	5.37	5.24	-26.9	-33.9	-45.1	0.84		
6.25	5.90	1994.1	1991.5	1990.2	4.97	5.37	5.23	-27.1	-34.3	-45.0	0.86		
6.50	5.32	1995.5	1992.9	1991.7	4.97	5.36	5.22	-27.3	-34.6	-45.0	0.85		
6.75	4.75	1996.8	1994.3	1993.0	4.97	5.35	5.21	-27.5	-34.9	-45.0	0.81		
7.00	4.75	1998.0	1995.4	1994.2	4.97	5.34	5.20	-27.6	-35.2	-44.9	0.75		

REV. X1
 ROS-1960-219+
 080616
 Page 1 of 1



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