

Voltage Controlled Oscillator

MOS-1890-119R+

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	22.9	1761.7	1755.2	1749.3	3.9	4.3	4.3	-24.9	-21.3	-34.1	0.8	1 10 100 1000	-77 -105 -126 -146
0.3	23.8	1767.4	1761.0	1755.0	3.9	4.4	4.2	-24.8	-21.6	-32.8	0.8		
0.5	25.7	1773.5	1766.9	1760.9	3.9	4.4	4.2	-24.6	-21.7	-33.2	0.8		
0.8	29.2	1780.2	1773.3	1767.1	4.0	4.5	4.1	-24.8	-21.8	-35.2	0.8		
1.0	33.4	1787.8	1780.6	1774.0	4.1	4.5	4.1	-25.3	-22.3	-32.4	0.9		
1.3	39.0	1796.7	1789.0	1782.0	4.2	4.4	4.2	-25.2	-22.0	-35.7	0.8		
1.5	44.1	1807.0	1798.7	1791.2	4.2	4.4	4.3	-24.2	-22.8	-33.9	0.8		
1.8	47.9	1818.5	1809.8	1801.7	4.2	4.3	4.3	-23.4	-22.7	-37.0	0.7		
2.0	50.2	1830.8	1821.7	1813.4	4.1	4.3	4.3	-23.3	-23.1	-36.6	0.4		
2.3	49.8	1843.4	1834.3	1825.6	4.1	4.2	4.3	-23.0	-23.4	-36.5	0.0		
2.5	48.2	1855.9	1846.7	1838.2	4.1	4.2	4.2	-23.2	-23.5	-40.5	0.5		
2.8	45.7	1867.9	1858.8	1850.3	4.0	4.2	4.2	-23.3	-23.9	-40.8	1.0		
3.0	42.0	1879.1	1870.2	1861.9	3.9	4.3	4.2	-22.7	-23.4	-39.5	1.5		
3.3	37.8	1889.3	1880.7	1872.6	4.0	4.4	4.1	-22.4	-23.5	-46.1	1.9		
3.5	33.6	1898.5	1890.2	1882.3	4.1	4.4	4.1	-23.1	-23.7	-44.2	2.2		
3.8	29.5	1906.7	1898.5	1891.0	4.1	4.4	4.1	-23.6	-23.2	-54.5	2.4		
4.0	25.6	1913.8	1905.9	1898.6	4.2	4.3	4.2	-24.0	-24.3	-51.0	2.4		
4.3	22.0	1920.0	1912.3	1905.2	4.2	4.3	4.2	-24.0	-23.8	-45.5	2.3		
4.5	18.9	1925.3	1917.8	1910.9	4.2	4.3	4.3	-24.1	-23.7	-49.6	2.1		
4.8	16.1	1929.9	1922.5	1915.7	4.2	4.3	4.3	-24.1	-23.9	-55.0	1.9		
5.0	13.7	1933.9	1926.5	1919.9	4.2	4.3	4.3	-24.1	-24.1	-54.1	1.5		
5.3	11.7	1937.2	1930.0	1923.4	4.1	4.3	4.3	-24.0	-24.2	-45.6	1.2		
5.5	10.0	1940.0	1932.9	1926.4	4.1	4.3	4.3	-23.8	-24.3	-44.1	0.9		
5.8	8.7	1942.4	1935.4	1929.0	4.1	4.3	4.3	-23.6	-24.1	-45.2	0.6		
6.0	7.6	1944.5	1937.6	1931.2	4.1	4.3	4.3	-23.4	-23.8	-45.6	0.4		
6.3	6.7	1946.4	1939.5	1933.2	4.1	4.3	4.3	-23.4	-23.5	-46.3	0.2		
6.5	6.0	1948.0	1941.2	1934.9	4.1	4.3	4.3	-23.3	-23.3	-47.2	0.1		
6.8	5.4	1949.5	1942.7	1936.5	4.1	4.3	4.2	-23.2	-23.2	-48.4	0.0		
7.0	5.4	1950.8	1944.0	1937.8	4.1	4.3	4.2	-23.1	-23.1	-50.7	0.1		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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