

# Voltage Controlled Oscillator

# MOS-1560-119+

## 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	35.78	1473.9	1468.3	1466.1	9.53	9.04	8.86	-21.2	-21.4	-41.1	1.06	1	-84
0.25	32.30	1482.3	1477.3	1475.2	9.45	8.97	8.80	-21.1	-20.0	-39.7	0.80	10	-110
0.50	30.60	1490.2	1485.3	1483.4	9.38	8.90	8.73	-20.5	-21.5	-39.6	0.67	100	-131
0.75	29.40	1497.7	1493.0	1491.0	9.32	8.84	8.67	-20.1	-22.1	-38.3	0.57	1000	-151
1.00	28.87	1505.0	1500.3	1498.4	9.26	8.80	8.62	-19.9	-22.3	-38.6	0.50		
1.25	28.38	1512.2	1507.6	1505.6	9.21	8.74	8.57	-19.6	-24.1	-38.2	0.44		
1.50	28.02	1519.3	1514.7	1512.7	9.16	8.70	8.52	-19.4	-22.7	-36.3	0.42		
1.75	27.80	1526.3	1521.7	1519.7	9.11	8.66	8.48	-19.1	-24.3	-37.2	0.40		
2.00	27.66	1533.3	1528.6	1526.7	9.06	8.61	8.44	-18.7	-26.8	-35.3	0.38		
2.25	27.49	1540.2	1535.5	1533.6	9.01	8.58	8.40	-18.6	-24.4	-35.2	0.36		
2.50	27.58	1547.1	1542.4	1540.5	8.94	8.53	8.37	-18.3	-24.9	-34.5	0.34		
2.75	27.67	1554.0	1549.3	1547.3	8.87	8.48	8.32	-17.9	-27.0	-35.0	0.32		
3.00	27.79	1561.0	1556.2	1554.2	8.83	8.44	8.27	-17.6	-27.4	-33.5	0.32		
3.25	27.91	1568.0	1563.2	1561.1	8.76	8.39	8.23	-17.5	-26.3	-33.3	0.32		
3.50	28.09	1575.1	1570.1	1568.1	8.68	8.33	8.18	-17.4	-28.6	-33.7	0.32		
3.75	28.18	1582.2	1577.2	1575.1	8.64	8.28	8.11	-17.3	-28.9	-32.2	0.31		
4.00	28.18	1589.3	1584.2	1582.1	8.59	8.24	8.08	-17.0	-28.0	-32.5	0.32		
4.25	28.26	1596.4	1591.2	1589.2	8.53	8.20	8.04	-16.7	-28.9	-31.5	0.32		
4.50	28.33	1603.5	1598.3	1596.2	8.46	8.15	7.99	-16.6	-28.9	-31.2	0.33		
4.75	28.51	1610.7	1605.4	1603.3	8.40	8.10	7.95	-16.4	-28.8	-31.4	0.33		
5.00	28.63	1617.9	1612.5	1610.4	8.34	8.06	7.90	-16.3	-29.0	-30.4	0.33		
5.25	28.76	1625.1	1619.7	1617.5	8.29	8.01	7.85	-16.2	-28.7	-30.2	0.35		
5.50	28.85	1632.4	1626.9	1624.7	8.22	7.96	7.80	-16.2	-29.3	-30.1	0.36		
5.75	28.89	1639.6	1634.1	1631.9	8.16	7.90	7.74	-16.3	-29.7	-30.8	0.35		
6.00	28.91	1646.9	1641.3	1639.1	8.14	7.85	7.69	-16.2	-29.7	-29.1	0.36		
6.25	28.86	1654.2	1648.5	1646.3	8.09	7.84	7.66	-15.9	-29.5	-30.0	0.37		
6.50	28.88	1661.4	1655.7	1653.5	8.04	7.79	7.63	-15.8	-30.5	-29.4	0.38		
6.75	28.98	1668.7	1663.0	1660.7	8.00	7.75	7.58	-15.8	-30.4	-28.3	0.38		
7.00	28.98	1676.0	1670.2	1667.9	7.97	7.72	7.54	-16.0	-30.5	-29.0	0.38		