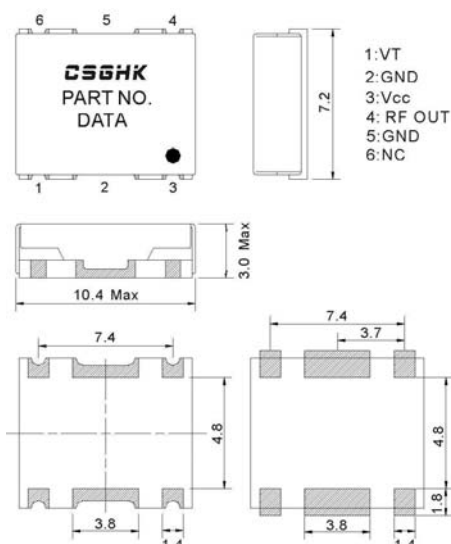


SURFACE MOUNT MODEL VOLTAGE CONTROLLED OSCILLATOR

Frequency 1552-1594MHz

VP1573M



FEATURES

- ▶ Miniature Size
- ▶ Surface Mount Package
- ▶ Low Phase Noise Performance
- ▶ Electrically Shielded
- ▶ Highly Linear Tuning

Electrical Specifications, T_A = +25°C, V_{CC} = +3.3V (unless otherwise stated)

Parameter	Test Conditions	Min	Typ	Max	Units
Frequency Rangs		1552		1594	MHz
Tuning Voltage (V)		0.5		3.0	V
RF Output Power	1552-1594MHz	-2.0		2.0	dBm
Supply Voltage (V _{CC})		3.0	3.3	3.6	V
Supply Current (I _{CC})			11	14	mA
Phase Noise :					
	@10kHz Offset:		-103	-100	dBc/Hz
	@100kHz Offset:		-123	-120	dBc/Hz
Average Tuning Sensitivity	1552-1594MHz		31.4		MHz/V
Harmonic Outputs			-10		dBc
Operating Temperature Range		-40		+85	°C
Tune Input Capacitance			20		PF
Output Impedance -			50		Ω
Package Type	VP (10.4X7.2X3.0mm)				

Comments

X Indicates parameter to be tested 100% in production

V TUNE	TUNING SENS. (MHz/V)	FREQUENCY(MHz)			POWER OUTPUT(dBm)			HARMONIC(dBc)		
		-40℃	+25℃	+85℃	-40℃	+25℃	+85℃	-40℃	+25℃	+85℃
0.5	33.9	1546.6	1534.3	1526.0	-1.8	-1.6	-2.2	-8.8	-10.4	-12.0
1.0	31.2	1563.2	1550.9	1542.6	-1.7	-1.5	-2.0	-8.9	-10.3	-12.2
1.5	30.3	1578.6	1566.7	1558.0	-1.6	-1.4	-2.0	-9.6	-10.4	-12.1
2.0	30.1	1593.6	1581.5	1573.4	-1.5	-1.3	-1.9	-9.1	-11.0	-12.3
2.5	30.5	1609.6	1596.9	1588.4	-1.6	-1.3	-1.8	-9.2	-10.7	-12.6
3.0	31.3	1625.6	1612.9	1604.0	-1.6	-1.4	-1.9	-9.4	-10.3	-12.3

