



Series Number	QSMO-6310 _{__} ⁽¹⁾	QSMO-6310 _{__} ⁽¹⁾ L
Frequency Range	40 ~ 250 MHz	
Overall Frequency Stability (Max) ⁽¹⁾ (V _{cont} = 1.65V)	A = ±25ppm B = ±50ppm	
Frequency Pullability (Min) (ref. Control Voltage)	±50ppm	
Control Voltage	1.65V ±1.5V	
Operating Temperature Range	-10°C to +70°C	
Supply Voltage	3.3V ±5%	
Supply Current (Max)	50mA	25mA
Output Voltage "0" Level (Max) "1" Level (Min)	V _{DD} -1.81V ~ V _{DD} -1.62V V _{DD} -1.025V ~ V _{DD} -0.88V	—
Differential Output Voltage Offset Voltage	—	0.247V ~ 0.454V (at 1.25V)
Load	V _t = V _{DD} -2.0V R _t = 50Ω	100Ω (Out1-Out2)
Rise/Fall Times (Max) At 20%~80% V _{p,p}	0.5ns	0.4ns
Symmetry (Max) At output cross point	45% / 55%	
Tri-State Control #2 Open #2 ≥0.7V _{DD} #2 ≤0.3V _{DD}	#4 Active #4 Active #4 High Z	
Phase Jitter Offset Frequency	1ps (12kHz ~ 20 MHz)	

Note (1): Customer to add 'A' or 'B' to part number for Frequency Stability.

Note: The above specifications are typical only. Please contact our Sales Department for specific requirements.

