



### SPECIFICATIONS

Series Number	QSMO-6810	QSMO-6820
Frequency Range	6.125 ~ 125 MHz	1.5625 ~ 170 MHz
Overall Frequency Stability (Max)	±50ppm	
Operating Temperature Range	-40°C to +85°C	
Supply Voltage	+3.3V ±5%	
Supply Current (Max)	6.125 ~ 80 MHz 15mA >80 ~ 125 MHz 25mA	1.5625 ~ 80 MHz 15mA >80 ~ 125 MHz 25mA >125 ~ 170 MHz 35mA
Frequency Pullability	±100ppm (V <sub>cont</sub> = +1.65 ±1.65V)	±80ppm (V <sub>cont</sub> = +1.65 ±1.65V)
Output Voltage "0" Level (Max)	0.33V	
Output Voltage "1" Level (Min)	2.97V	
Output Load (Max) CMOS Load	15pF	
Rise/Fall Times (Max) At 0.2% ~ 0.8%V <sub>DD</sub>	5ns	
Symmetry (Max) At 0.5V <sub>DD</sub>	45% / 55%	
Input Impedance	5MΩ	
Phase Jitter (Max) Offset Frequency	1ps (12 kHz ~ 20 MHz)	

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

