



### SPECIFICATIONS

Series Number	QSMO-6710__ <sup>(1)</sup>	QSMO-6720__ <sup>(1)</sup>	QSMO-6730__ <sup>(1)</sup>	QSMO-6740__ <sup>(1)</sup>	QSMO-6750__ <sup>(1)</sup>	
Frequency Range	1.0 ~ 52 MHz		1.0 ~ 125 MHz	1.0 ~ 80 MHz		
Overall Frequency Stability (Max)	±25ppm		±50ppm		±100ppm	
Frequency Pullability (Min)	±50ppm	±100ppm	±50ppm	±100ppm		
Operating Temperature Range	-20°C to +70°C // -40°C to +90°C (T) <sup>(1)</sup>					
Supply Voltage	+3.3V ±5%					
Control Voltage	+1.65V ±1.5V					
Supply Current (Max)	1 ~ 30 MHz >30 ~ 52 MHz	15mA 25mA	1 ~ 30 MHz >30 ~ 52 MHz >52 ~ 125 MHz	15mA 25mA 35mA	1 ~ 30 MHz >30 ~ 52 MHz >52 ~ 80 MHz	15mA 25mA 35mA
Output Voltage	"0" Level (Max) "1" Level (Min)	0.33V 2.97V				
Output Load (Max)	CMOS Load	15pF				
Rise/Fall Times (Max)	At 0.2V <sub>DD</sub> ~ 0.8V <sub>DD</sub>	5ns				
Symmetry (Max)	At 0.5V <sub>DD</sub>	40% / 60%				
Start-Up Time (Max)	10ms					
Tri-State Control	#6 Open #6 ≥0.7V <sub>DD</sub> #6 ≤0.3V <sub>DD</sub>	#4 Active #4 Active #4 High Z				
Linearity (Max)	V <sub>cont</sub> = 0.15 ~ 3.15V	±10%				

Note (1): Customer to add 'T' to part number for Operating Temperature Range to indicate optional temperature range.

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

