



### SPECIFICATIONS

Series Number	QSMO-6110__ <sup>(1)</sup>	QSMO-6120__ <sup>(1)</sup>	QSMO-6130__ <sup>(1)</sup>	QSMO-6140__ <sup>(1)</sup>	QSMO-6150__ <sup>(1)</sup>
Frequency Range	1.0 ~ 52 MHz				
Overall Frequency Stability (Max)	±25ppm	±50ppm	±25ppm	±50ppm	±100ppm
Frequency Pullability (Min)	±50ppm		±100ppm		
Operating Temperature Range	-20°C to +70°C // -40°C to +90°C (T) <sup>(1)</sup>				
Supply Voltage	+5.0V ±5%				
Control Voltage	+2.5V ±2V				
Supply Current (Max)			1.0 ~ 18 MHz	20mA	
			>18 ~ 36 MHz	30mA	
			>36 ~ 52 MHz	40mA	
Output Voltage	"0" Level (Max)	0.5V			
	"1" Level (Min)	4.5V			
Output Load (Max)	TTL Load	10N TTL			
	CMOS Load	15pF			
Rise/Fall Times (Max)	At 0.5V <sub>DD</sub> ~ 0.9V <sub>DD</sub>	5ns			
Symmetry (Max)	At 0.5V <sub>DD</sub>	40% / 60%			
Start-Up Time (Max)		10ms			
Tri-State Control	#2 or #5 Open	#4 Active		T series at #2	
	#1 ≥0.7V <sub>DD</sub>	#4 Active			
	#1 ≤0.3V <sub>DD</sub>	#4 High Z		N series at #5	
Linearity (Max)	Vcont = 0.5 ~ 4.5V	±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.**

