



### SPECIFICATIONS

Series Number	QSMO-6610 <sub>(1)</sub>	QSMO-6620 <sub>(1)</sub>	QSMO-6630 <sub>(1)</sub>	QSMO-6640 <sub>(1)</sub>	QSMO-6650 <sub>(1)</sub>
Frequency Range	1.0 ~ 52 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	+5.0V ±5%				
Control Voltage	+2.5V ±2V				
Supply Current (Max)	1 ~ 18 MHz	20mA	1 ~ 18 MHz	20mA	
	>18 ~ 36 MHz	30mA	>18 ~ 36 MHz	30mA	
	>36 ~ 52 MHz	40mA	>36 ~ 52 MHz	40mA	
			>52 ~ 80 MHz	50mA	
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 0.2V <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		#4 Active		
	#6 ≥0.7V <sub>DD</sub>		#4 Active		
	#6 ≤0.3V <sub>DD</sub>		#4 High Z		
Linearity (Max)	V <sub>cont</sub> = 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.

