



### SPECIFICATIONS

Series Number	QSMO-2110 <sup>(1)</sup>	QSMO-2150 <sup>(1)</sup>	QSMO-2160 <sup>(1)</sup>
Frequency Range	1.8 to 170 MHz	1.8 to 133 MHz	1.8 to 170 MHz
Overall Frequency Stability (Max) <sup>(1)</sup>	A = ±25ppm B = ±50ppm C = ±100ppm D = ±10ppm	0° to 70°	E = ±25ppm F = ±50ppm G = ±100ppm H = ±20ppm
Storage Temperature Range	-50°C to +125°C		
Supply Voltage	+3.3V ±5%	+1.8V ±5%	+2.5V ±5%
Supply Current (Max)	40mA	28mA	38mA
Standby Current	At '0' Level at #1 10µA		
Output Voltage	"0" Level (Max) "1" Level (Min)	0.1V 0.9V	0.2V 0.8V
Output Load (Max) TTL Load, CMOS Load	15pF		
Rise/Fall Times (Max)	At 0.1V <sub>DD</sub> ~ 0.9V <sub>DD</sub> or 0.2V <sub>DD</sub> ~ 0.8V <sub>DD</sub>	6ns (0.1V <sub>DD</sub> ~ 0.9V <sub>DD</sub> )	5ns (0.2V <sub>DD</sub> ~ 0.8V <sub>DD</sub> )
Symmetry (Max)	At 0.5V <sub>DD</sub> or 1.4V 45% / 55%		
Start-Up Time (Max)	5ms		
Tri-State Control	#1 Open #1 ≥2.2V or 0.7V <sub>DD</sub> #1 ≤0.8V or 0.3V <sub>DD</sub>	#3 Active #3 Active #3 High Z	

Note (1): Customer to add 'A' to 'D' or 'E' to 'H' for Overall Frequency Stability.

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

