



SPECIFICATIONS

Series Number	QSMO-4710 ⁽¹⁾	QSMO-4730 ⁽¹⁾	QSMO-4750 ⁽¹⁾	QSMO-4760 ⁽¹⁾
Frequency Range	1.8 to 170 MHz		1.8 to 133 MHz	1.8 to 170 MHz
Overall Frequency Stability (Max) ⁽¹⁾	A = ±25ppm 0° to 70° B = ±50ppm 0° to 70° C = ±100ppm 0° to 70° D = ±10ppm 0° to 70°		E = ±25ppm -40° to 85° F = ±50ppm -40° to 85° G = ±100ppm -40° to 85° H = ±20ppm -40° to 85°	
Storage Temperature Range	-50°C to +125°C			
Supply Voltage	+3.3V ±10%	+5.0V ±10%	+1.8V ±5%	+2.5V ±5%
Supply Current (Max)	≤50 MHz 20mA >50 MHz 40mA	≤50 MHz 50mA >50 MHz 90mA	≤50 MHz 7mA >50 MHz 20mA	≤50 MHz 12mA >50 MHz 30mA
Standby Current At '0' Level at #1	10µA			
Output Voltage "0" Level (Max) "1" Level (Min)	0.33V 2.97V	0.5V 4.5V	0.36V 1.44V	0.25V 2.25V
Output Load (Max) TTL Load/CMOS Load	15pF			
Rise/Fall Times (Max) At 0.1V _{DD} ~ 0.9V _{DD} or 0.2V _{DD} ~ 0.8V _{DD}	6ns	7ns	5ns (1.8 ~ 32.1 MHz) 3.5ns (>32.1 ~ 50 MHz) 3ns (>50 ~ 133 MHz)	6ns
Symmetry (Max) At 0.5V _{DD} or 1.4V	45% / 55% ½V _{DD}	40% / 60% ½V _{DD}	40% / 60% ½V _{DD}	45% / 55% ½V _{DD}
Start-Up Time (Max)	5ms	10ms	10ms	5ms
Tri-State Control #1 Open #1 ≥2.2V or 0.7V _{DD} #1 ≤0.8V or 0.3V _{DD}	#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.

