



SPECIFICATIONS

Series Number	QSMO-2510 ⁽¹⁾	QSMO-2550 ⁽¹⁾	QSMO-2560 ⁽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%	+1.8V ±5%	+2.5V ±5%
Supply Current (Max)	≤50 MHz 20mA >50 MHz 40mA	≤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)	0.1V 0.9V	0.2V 0.8V
Output Load (Max)	CMOS Load	15pF	
Rise/Fall Times (Max)	At 0.1V _{DD} ~ 0.9V _{DD} or 0.2V _{DD} ~ 0.8V _{DD}	6ns (0.1V _{DD} ~ 0.9V _{DD})	5ns (0.2V _{DD} ~ 0.8V _{DD})
Symmetry (Max)	At 0.5V _{DD}	45% / 55%	
Start-Up Time (Max)		5ms	
Tri-State Control	#1 Open #1 ≥0.7V _{DD} #1 ≤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.

