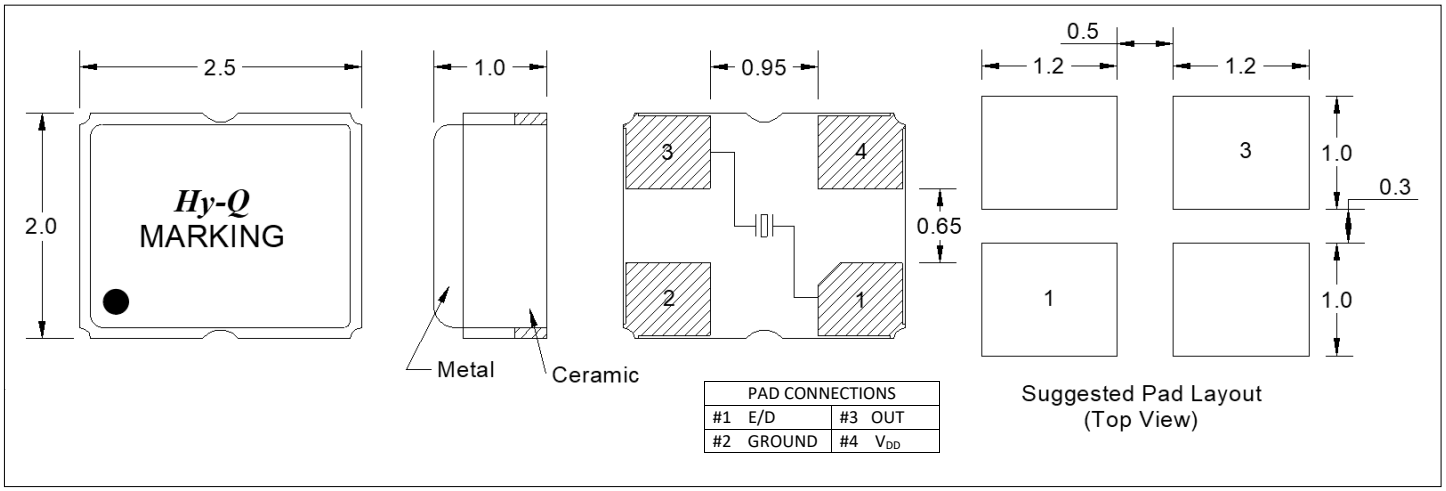

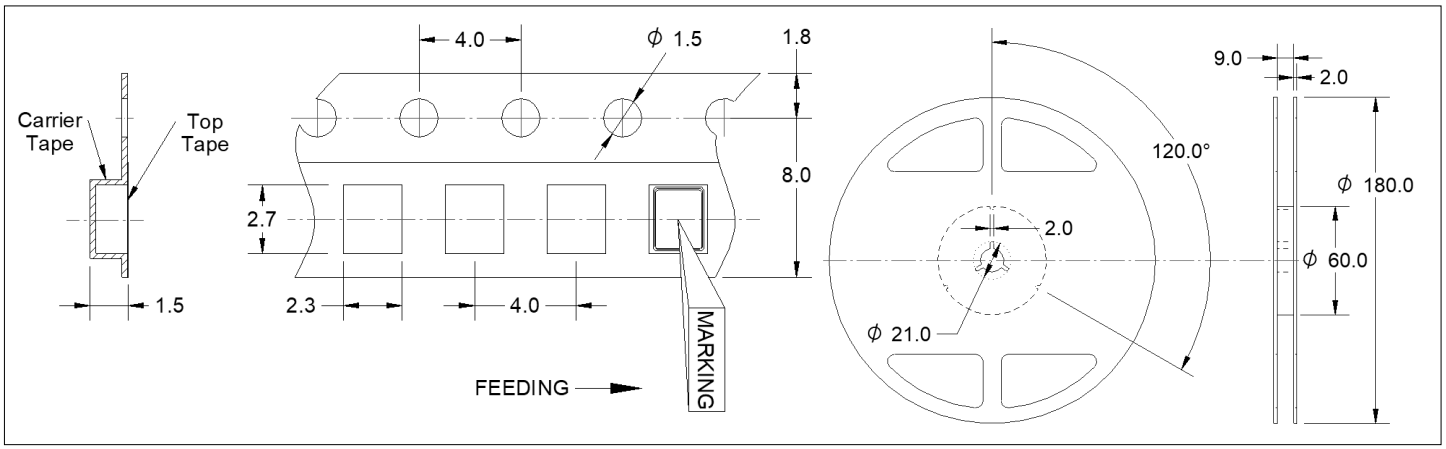

Part Number		QSMO-3110__ (1)	QSMO-3150__ (1)	QSMO-3160__ (1)
Frequency Range		1.0 to 200 MHz	1.0 to 133 MHz	1.0 to 166 MHz
Overall Frequency Stability (Max) (1) over Operating Temperature Range		B = ±50ppm -20° to 70° C = ±100ppm -20° to 70°		
Supply Voltage		+3.3V ±10%	+1.8V ±5%	+2.5V ±5%
Supply Current (Max)		1.0 ~ 50 MHz 10mA >50 ~ 100 MHz 15mA >100 ~ 200 MHz 15mA	1.0 ~ 50 MHz 10mA >50 ~ 133 MHz 15mA	1.0 ~ 50 MHz 12mA >50 ~ 100 MHz 15mA >100 ~ 166 MHz 20mA
Standby Current	At '0' Level at #1	10µA		
Output Voltage	"0" Level (Max) "1" Level (Min)	0.33V 2.97V	0.18V 1.62V	0.25V 2.25V
Output Load (Max)	CMOS Load	15pF		
Output Voltage	"0" Level (Max) "1" Level (Min)	4mA 4mA		
Rise/Fall Times (Max)	At $0.1V_{DD}$ ~ $0.9V_{DD}$	5ns		
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 'B' or 'C' to the part number for Overall Frequency Stability.

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

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