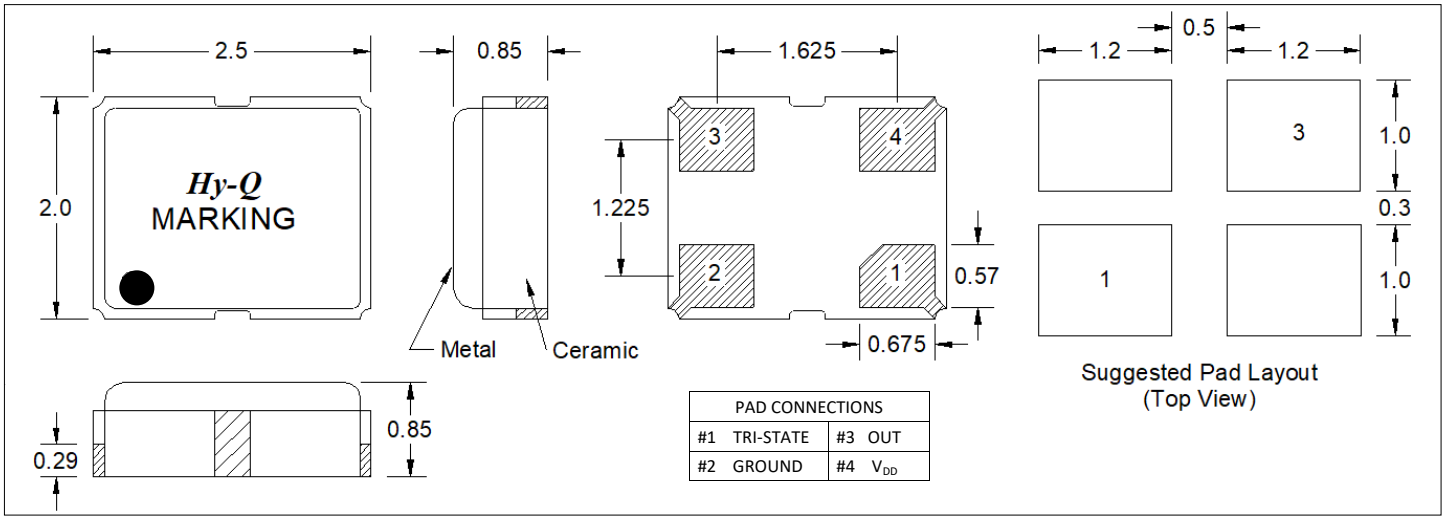

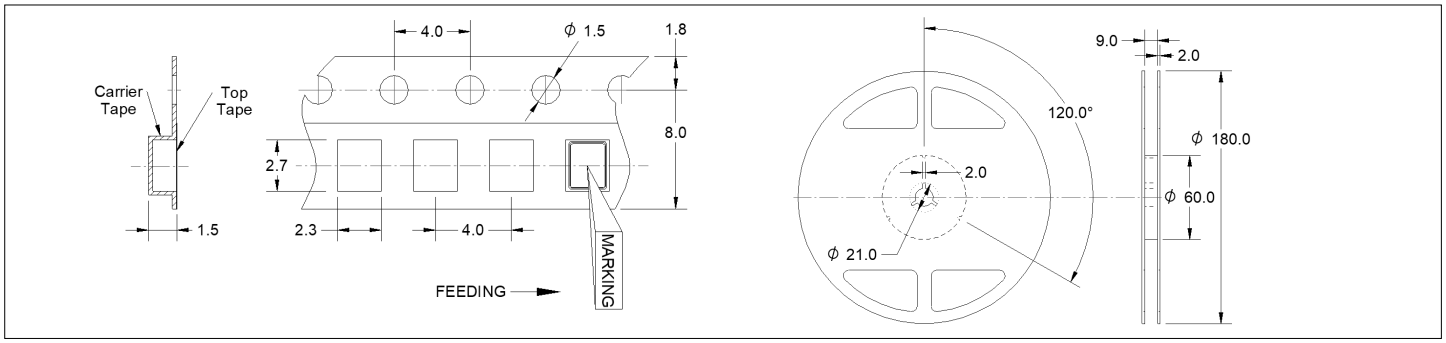

Series Number		QSMT-2520H___ (1) ___ (2)	QSMT-2520C___ (1) ___ (2)
Frequency Range		9.60 MHz ~ 60 MHz	
Supply Voltage (1)		A = +3.3V ±5% B = +5.0V ±5% C = +1.8V ±5% D = +2.8V ±5%	
Frequency Stability	vs. Temperature (2) (refer to 25°C)	±0.5 ppm to ±5.0 ppm	
		A = ±0.5 ppm over 0°C to +55°C B = ±1.0 ppm over -30°C to +75°C C = ±2.5 ppm over -40°C to +85°C (for other options please contact our Sales Department)	
	vs. Voltage Change	±0.1 ~ ±0.2 ppm (max) / V_{DD} ±5%	
	Initial Tolerance after IR Reflow	< ±1.0 ppm @25°C ±2°C	
	vs. Aging @ 25°C	±1.0 ppm max per year	
RMS Phase Jitter (12kHz ~ 20 MHz)		1.0 pS (max)	
Input Current	9.6 ~ 60 MHz	2.0 mA (max)	
Output		HCMOS	Clipped Sinewave
	Output Logic High (V_{OH})	90% V_{DD} (min)	+3.3V 0.8 p-p (min)
	Output Logic Low (V_{OL})	10% V_{DD} (max)	+5.0V 1.0 p-p (min)
	Duty Cycle (V_{DD})	45 / 55	—
	Load	15 pF	10 kΩ // 10 pF
	Ride and Fall Time	10 nSec (max)	—
	Phase Noise Offset (20 MHz) (Typical)	1 kHz : -120 dBc / Hz 10 kHz : -135 dBc / Hz 100 Hz : -148 dBc /Hz	

Note (1): Customer to add 'A' or 'B' or 'C' or 'D' to part number for *Supply Voltage* to indicate choice.
Note (2): Customer to add 'A' or 'B' or 'C' to part number for *Frequency Stability v. Temperature* to indicate choice.

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

RoHS compliant REACH

Ref.No. 1012-0361-00-00 19 April 2022 All dimensions are in mm and within manufacturing tolerances. Specifications subject to change without notice