



Series Number		QSMT-3225H <sup>(1)</sup> <sup>(2)</sup>	QSMT-3225C <sup>(1)</sup> <sup>(2)</sup>
Frequency Range		9.5 MHz ~ 60 MHz	
Supply Voltage <sup>(1)</sup>		A = +3.3V ±5% B = +5.0V ±5%	
Frequency Stability	vs. Temperature <sup>(2)</sup> (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 <sub>DD</sub> ±5%	
	vs. Load	±0.2 ppm / 15pF load	
	vs. Aging @ 25°C	±1.0 ppm max per year	
Input Current	9.5 ~ 60 MHz	1.5 mA ~ 2.0 mA (max)	
Output		<u>HCMOS</u>	<u>Clipped Sinewave</u>
	Output Logic High (V <sub>OH</sub> )	90% V <sub>DD</sub> (min)	+3.3V 0.8 p-p (min)
	Output Logic Low (V <sub>OL</sub> )	10% V <sub>DD</sub> (max)	+5.0V 1.0 p-p (min)
	Duty Cycle (V <sub>DD</sub> )	40 / 60	—
	Load	15 pF	10 kΩ // 10 pF
	Start Up Time	2 mSec (max)	
Phase Noise Offset (20 MHz) (Typical)	10 Hz : -80 dBc / Hz 100 Hz : -120 dBc / Hz	1 kHz : -135 dBc / Hz 10 kHz : -148 dBc / Hz	

Note (1): Customer to add 'A' or 'B' 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.

