



Series Number		QSMT-2016C <sup>(1)</sup> <sup>(2)</sup>
Frequency Range		10.0 MHz ~ 52 MHz
Supply Voltage <sup>(1)</sup>		A = +3.3V ±5% B = +3.0V ±5% C = +1.8V ±5% D = +2.8V ±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 +80°C (for other options please contact our Sales Department)
	vs. Voltage Change	±0.1 ~ ±0.2 ppm (max) / V <sub>DD</sub> ±5%
	Initial Tolerance after IR Flow	< ±1.0 ppm @25° ±2°C
	vs. Aging @ 25°C	±1.0 ppm max per year
RMS Phase Jitter (12kHz ~ 20 MHz)		1.0pS (max)
Input Current		10 MHz ~ 52 MHz 2.0 mA (max)
Output	<u>Clipped Sinewave</u>	
	Output Logic	0.8V p-p (min)
	Duty Cycle (V <sub>DD</sub> )	45 / 55
	Load	10 kΩ // 10 pF
Phase Noise Offset (20 MHz) (Typical)		1 kHz : -120 dBc / Hz 10 kHz : -135 dBc / Hz 100 kHz : -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.

