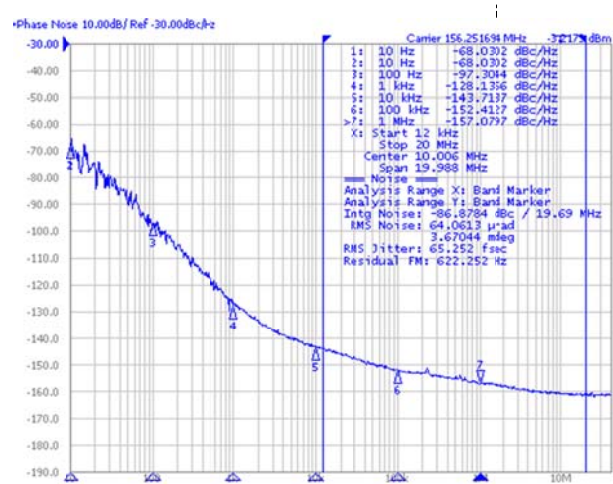


Features and specifications

Product features

1. Low noise/low jitter
- This product combines an HFF crystal unit capable of fundamental harmonic oscillation at 100 MHz and higher with an oscillator IC with excellent noise properties to achieve low phase jitter at 65 fs Typ.

Phase Noise Properties (Oscillation Frequency 156.25 MHz, Power Voltage 3.3 V)



2. Frequency range
- Compatible with frequency range of 100 MHz – 175 MHz

Main specifications

Product name	SG7050EBN
Output frequency	100 MHz to 175 MHz
Supply voltage	2.5 V ±5%, 3.3 V ±5%
Operating temperature range	-40°C to +85°C
Frequency tolerance	±50×10 ⁻⁶
Current consumption during operation	42 mA Typ. 55 mA Max.(when driven at 2.5 V) 44 mA Typ. 75 mA Max.(when driven at 3.3 V)
Phase jitter	65 fs Typ. (at 156.25 MHz output, when driven at 3.3 V) Offset frequencies: 12 kHz to 20 MHz
External dimensions	7.0 × 5.0 × 1.5 mm, typ. (7050 size)
Output	LV-PECL