

IDT
Ultra-Low Jitter
Plus-PPM Oscillator

100 fs
Phase Jitter!

REAL-TIME
FREQUENCY TUNING

3.2 x 2.5mm Package Smallest high-performance package in the industry

3225 5032 7050

10GbE

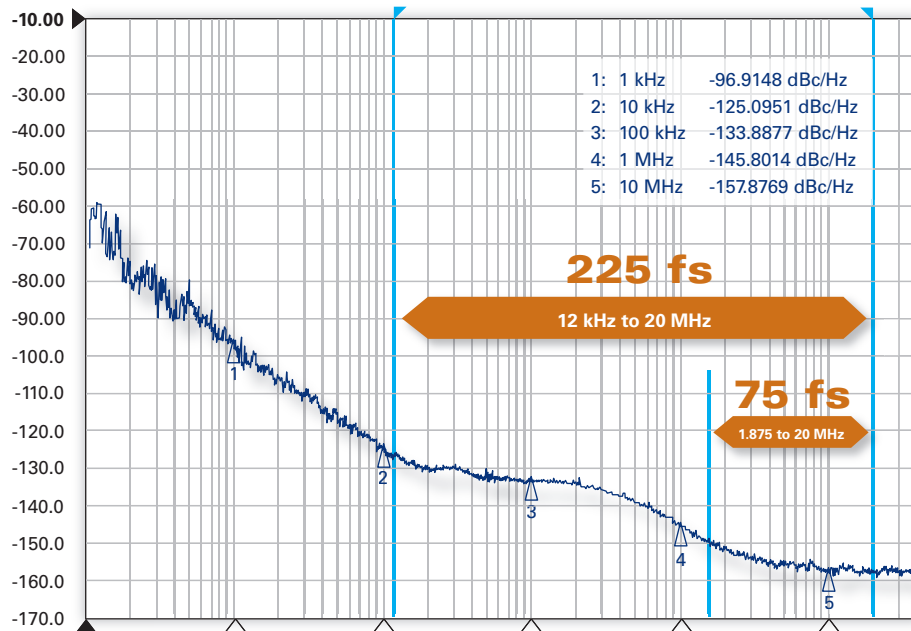
BENEFITS / FEATURES

- **Phase Jitter (156.25MHz)**
 - 100fs (1.875MHz to 20MHz)
 - 250fs (12KHz to 20MHz)
- **Real-Time Frequency Tuning**
Up to ± 1000 ppm on-the-fly frequency tuning
- **Any Frequency between:**
50-625 MHz range
- **LVDS / LVPECL Output**
- **Up to 40x Higher reliability than Quartz**
 - No activity dips, no zero time failures
 - High Shock and vibration resistance

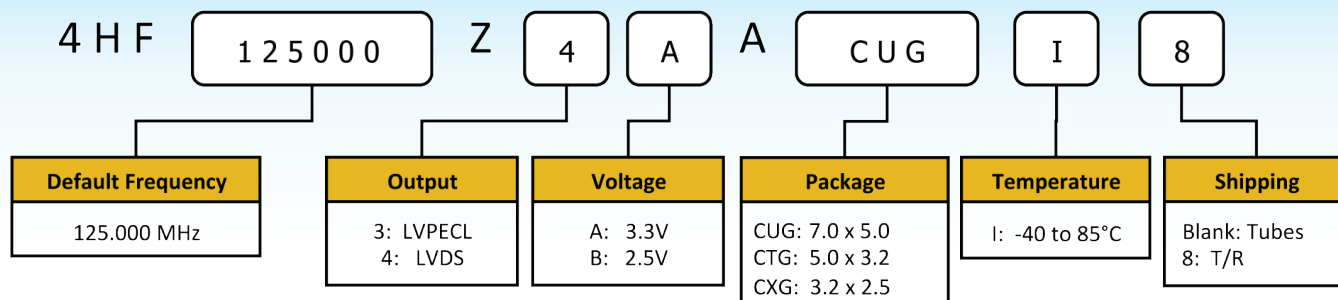
www.idt.com/go/MEMS

► PN 10.00dB/ Ref -10.00dBc/Hz

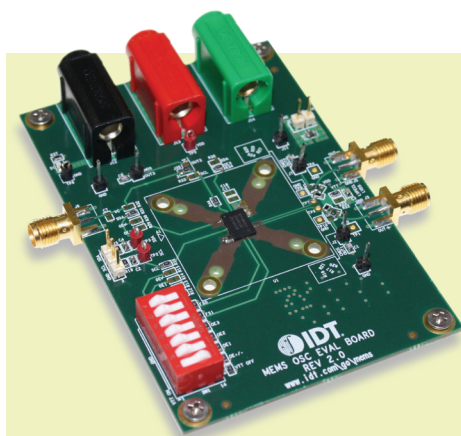
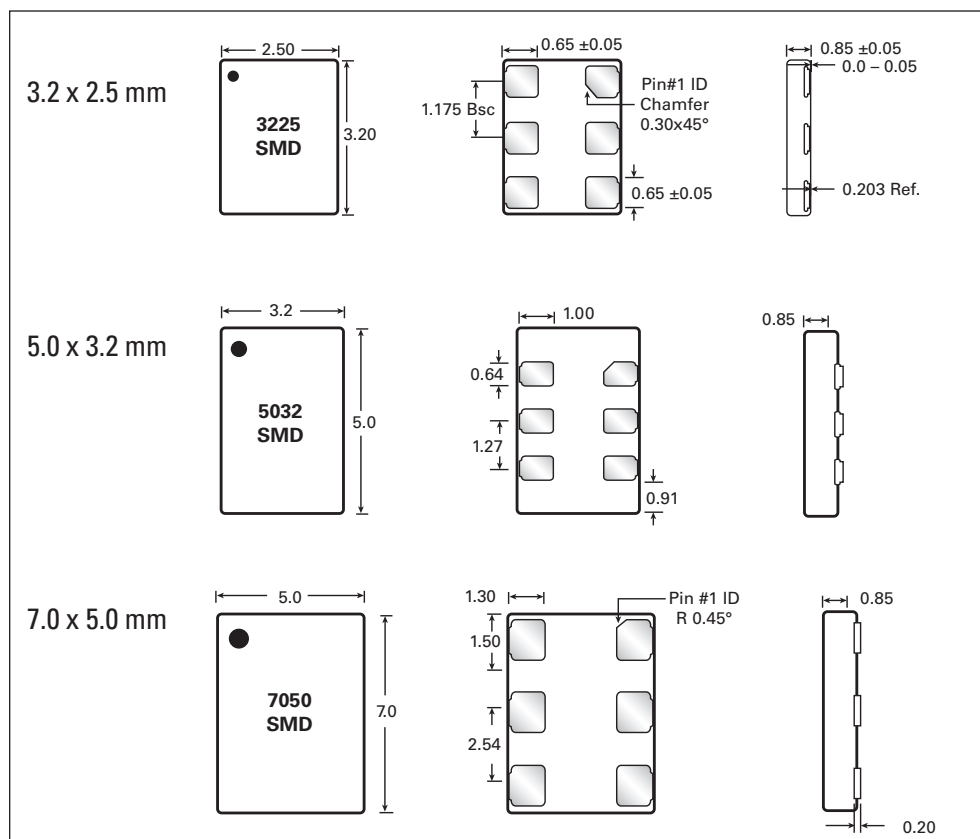
Carrier 156.250066 MHz 8.9050 dBm



PART ORDERING GUIDELINE



PACKAGE OUTLINE AND DIMENSIONS



MEMS OSCILLATOR EVALUATION BOARD

FEATURES

- Differential SMA output
- Standard banana plug power connectors
- Available in standard 3225, 5032 and 7050 size packages
- Selectable output termination for both LVDS and LVPECL
- Switch control for Output Enable (OE)

TECHNICAL SUPPORT

EMAIL: MEMS_Support@idt.com

WEBSITE: www.idt.com/go/MEMS



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