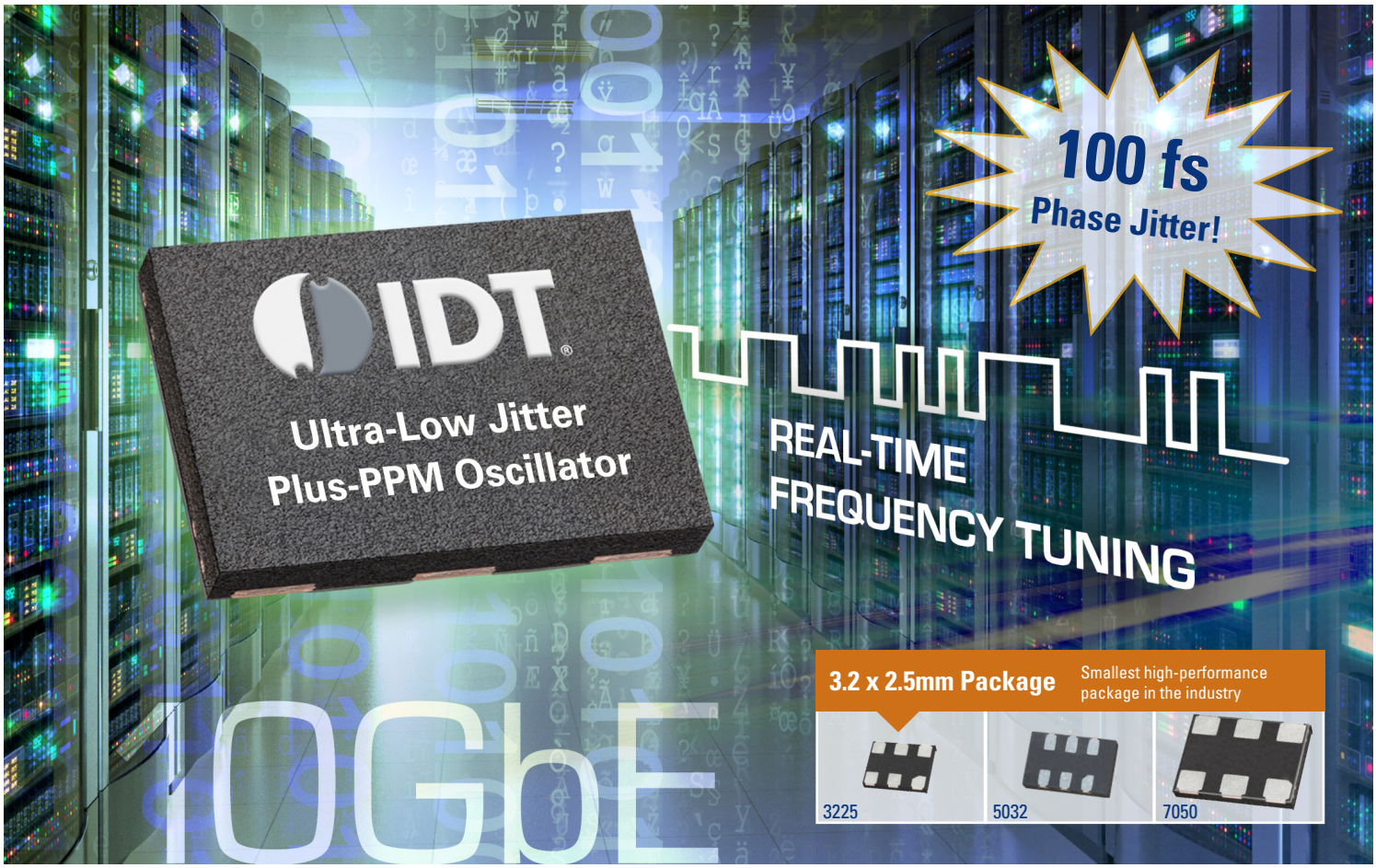
Ultra-Low Jitter MEMS Oscillators: 4H Series

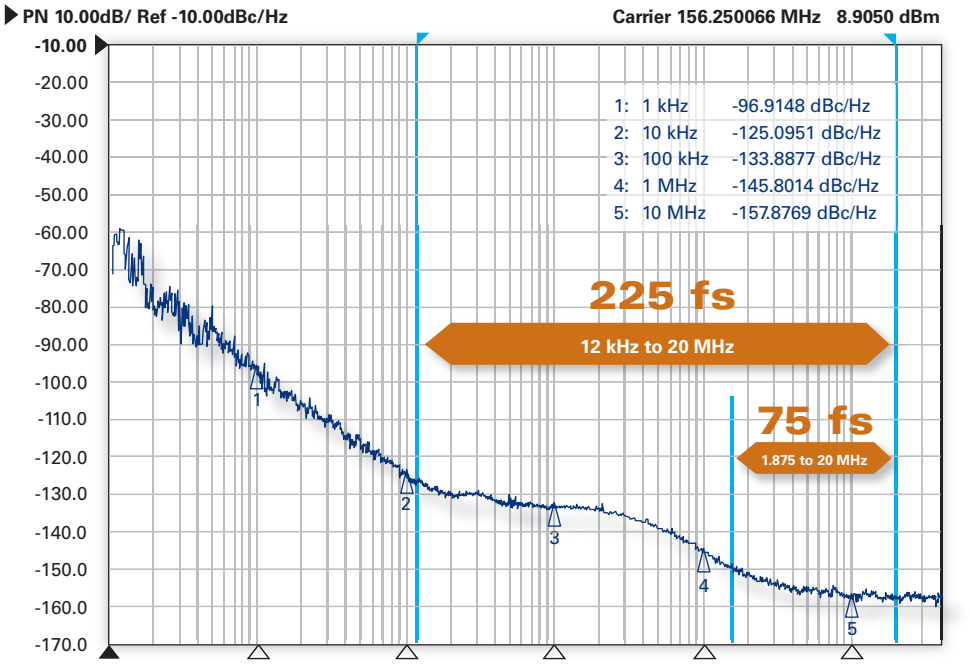
Integrated Device Technology



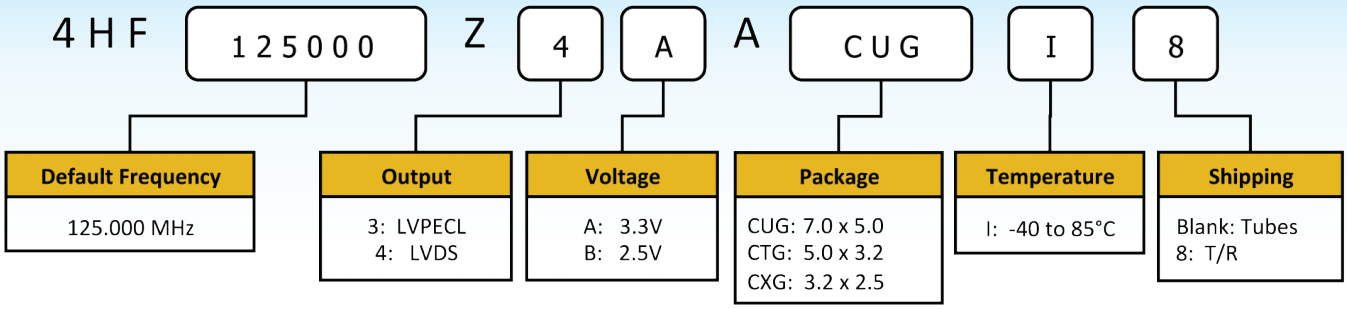
BENEFITS / FEATURES

- **Phase Jitter (156.25MHz)**
  - 100fs (1.875MHz to 20MHz)
  - 250fs (12KHz to 20MHz)
- **Real-Time Frequency Tuning**
  Up to ±1000ppm 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

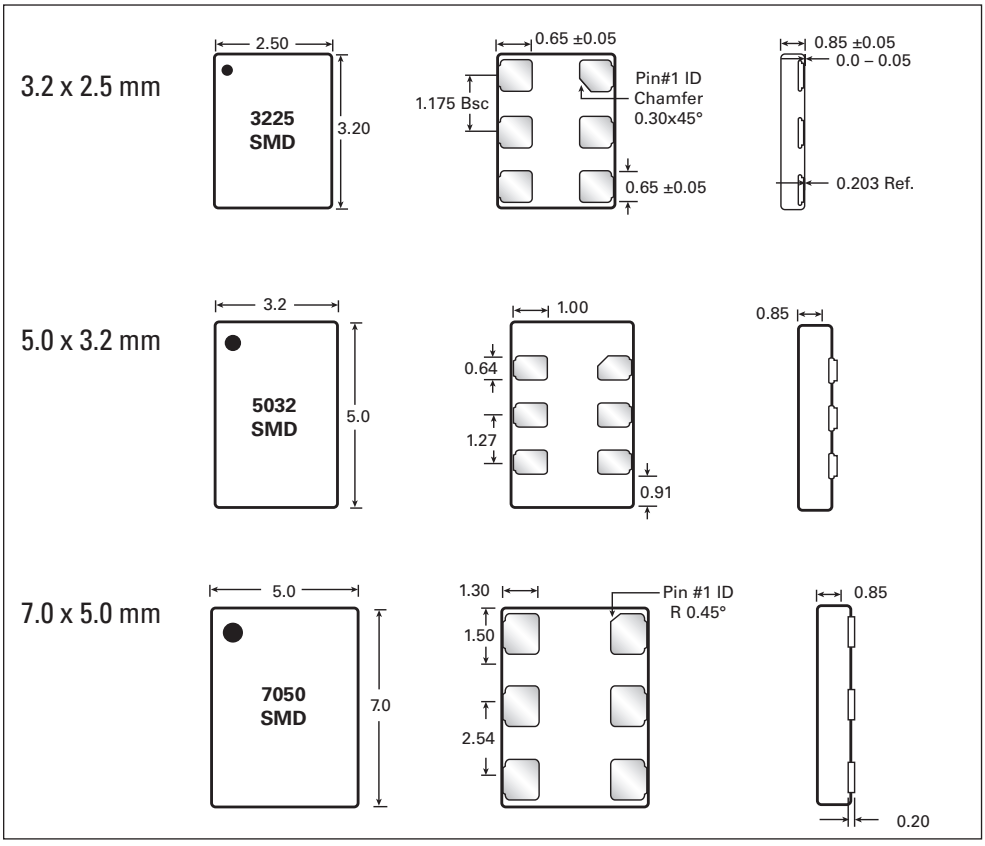
www.idt.com/go/MEMS

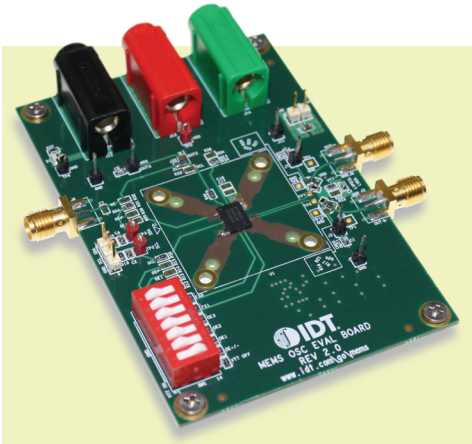


PART ORDERING GUIDELINE



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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IDT (Integrated Device Technology):

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