

# CS00083AC-1D2-33E156.25000

## 156.25 MHz Low Jitter LVPECL MEMS Oscillator



### Description

CS00083AC-1D2-33E156.250000 is a specific configuration of the SiT9120 MEMS differential oscillator. The electrical characteristics of the parameters specific to this configuration are listed in this document. Refer to SiT9120 datasheet and other qualification documentation for all other specifications and qualification related information.

### Features

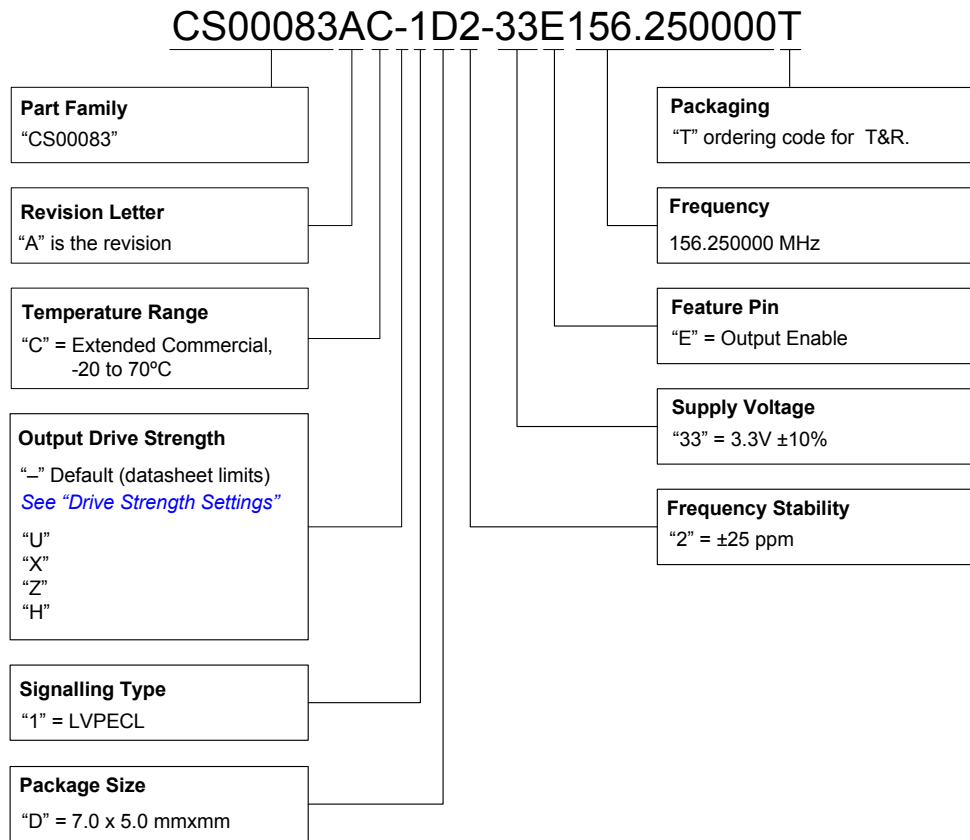
- Frequency: 156.25 MHz
- Output type: LVPECL
- Pin 1 operating mode: Output enable
- Industry standard 6-pin package: 7.0 x 5.0 mmxmm

 INSTANT SAMPLES  GREEN SOLUTIONS  LIFETIME WARRANTY

### Electrical Characteristics

| Parameters                  | Symbol | Min. | Typ.       | Max. | Unit | Condition  |
|-----------------------------|--------|------|------------|------|------|--|
| Frequency                   | f      | –    | 156.250000 | –    | MHz  |  |
| Frequency Tolerance         | F_tol  | -25  | –          | +25  | ppm  | Inclusive of: Initial stability, operating temperature, rated power, supply voltage change, load change, shock and vibration |
| Operating Temperature Range | T_use  | -20  | –          | 70   | °C   | Extended Commercial  |
| Supply Voltage              | Vdd    | 2.97 | 3.3        | 3.63 | V    |  |
| RMS Period Jitter           | T_jitt | –    | 1.2        | 1.7  | ps   |  |
| RMS Phase Jitter (random)   | T_phj  | –    | 0.6        | 0.85 | ps   | Integration bandwidth = 12 kHz to 20 MHz   |

**Ordering Information**



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