

Part No. + Packaging: **LFMCX0064079REEL**

- Model Issue number 1

A black, square-shaped component with gold-colored pins, labeled "IQMT-100".

Solder Pad Layout

Diagram showing the dimensions for the Solder Pad Layout. The dimensions are: 5.08 (width), 4.2 (height), 1.2 (width), and 1.5 (height).

- Output Compatibility HCMOS
- Output Load 15pF
- Rise and Fall time (10% - 90%) 8ns max
- Duty Cycle 45/55%
- Output Low (@ $V_s=3.3V$, load=15pF): 0.4V max
- Output High (@ $V_s=3.3V$, load=15pF): 2.4V min
- Phase Noise (@ 10MHz typ):
 - 90dBc/Hz @ 10Hz
 - 115dBc/Hz @ 100Hz
 - 135dBc/Hz @ 1kHz
 - 145dBc/Hz @ 10kHz
 - 148dBc/Hz @ 100kHz
 - 150dBc/Hz @ 1MHz

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Environmental Parameters

- Shock: IEC 60068-2-27, Test Ea: 100G acceleration for 6ms, half sinewave, in 3 mutually perpendicular planes
- Vibration: IEC 60068-2-6, Test Fc: 10Hz-2000Hz, 0.75mm amplitude, 10G acceleration, 30mins per cycle, in 3 mutually perpendicular planes, test duration 2hrs
- Storage Temperature Range: -55 to 105°C
- Operable Temperature Range: -40 to 85°C
- ESD Level:
HBM, Class 2: 2000V to 4000V, JEDEC JS-001-2010
Machine Model, Class B: 200V to 400V, JEDEC JS-001-2010

Manufacturing Details

- Moisture Sensitivity Level: 2
- Maximum Reflow Temperature: 260°C (30secs max)

Compliance

- | | |
|----------------|-----------|
| ■ RoHS Status | Compliant |
| ■ REACH Status | Compliant |

Packaging

- | | |
|-------------------|--|
| ■ Pack Type: Reel | Tape & reel in accordance with EIA-481-D |
| Pack Size | 600 |
- Alternative packing option available

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