

Part No. + Packaging: **LFSPX0018492CUTT**

- ## Frequency Parameters

- ### Electrical Parameters

- ### Output Details

- ## Output Control

- Logic '1' (>70% VS) to pad 1 enables oscillator output
- Logic '0' (<30% VS) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state
- No connection to pad 1 enables oscillator output
- Standby Current: 10uA max

Noise Parameters

- Phase Noise @125MHz (typical):
 - 10Hz -54dBc
 - 100Hz -92dBc
 - 1kHz -130dBc
 - 10kHz -149dBc
 - 100kHz -159dBc
 - 1MHz -163dBc
- RMS Phase Jitter @125MHz: 52fs typical

Environmental Parameters

- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A
- Storage Temperature Range: -55 to 125°C

Compliance

- | | |
|-------------------------------|----------------|
| ■ RoHS Status | Compliant |
| ■ REACH Status | Compliant |
| ■ MSL Rating (JEDEC-STD-033): | Not Applicable |

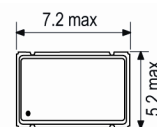
Packaging

- | | |
|--|--------------------------|
| ■ Pack Type: Cutt | In tape, cut from a reel |
| Pack Size | 10 |
| ■ Alternative packing option available | |

This document is correct at the time of printing; please contact your local office for the latest version.

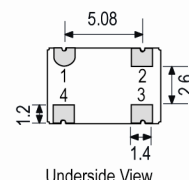


Outline (mm)

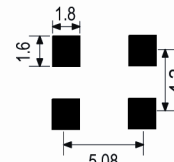


Pad Connections

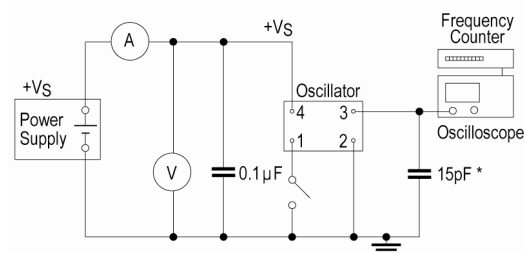
1. Standby Operation
2. GND
3. Output
4. +VS



Solder Pad Layout



Test Circuit



* Inclusive of jiggling and equipment capacitance

Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0) 30 408 192 300

France: +33 (0)5 34 50 91 18

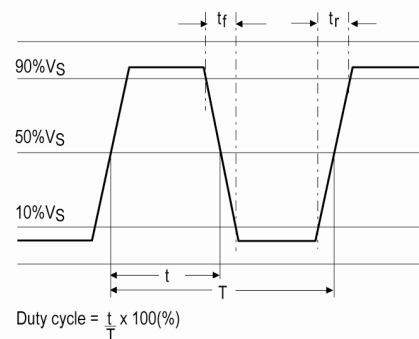
USA: +1 408.273.4530

Email: info@iqdfrequencyproducts.com

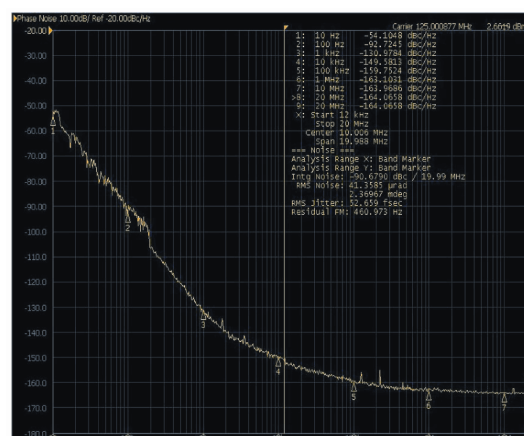
Web: www.igdfrequencyproducts.com



Wave Form



Phase Noise / Jitter



Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0) 30 408 192 300

France: +33 (0)5 34 50 91 18

USA: +1 408.273.4530

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com