FOX Electronics

Farnell Order Code: 1538956

FOX MODEL: FXO-LC735R-200

FOX Part Number: 771-200-25

LVDS, CERAMIC, SMD, OSCILLATOR

Specifications

Parameters	
Frequency	200 MHz
Frequency Stability [1]	±50 PPM
Temperature Range Operating (T_{OPR}) Storage (T_{STG})	 -40°C ~ +85°C -55ºC ~ +125ºC
Supply Voltage (V_{DD})	3.3V ± 5%
Input Current (I_{DD})	100 mA Max
Differential Output Voltage (V_{OD})	0.250V ~ 0.450V
Output Offset Voltage (V_{OS})	1.125V Typ
Differential Output Swing (V_{P-P})	0.250V_{P-P} Min
Output Symmetry (50% V_{p-p} Level)	45% ~ 55%
Rise Time (20% ~ 80% V_{p-p}) (TR) Fall Time (80% ~ 20% V_{p-p}) (TF)	400 pS Max 400 pS Max
Output Load *(Recommended Circuit below)*	100 ohms
Startup Time (T_S)	10 ms Max
Output Enable / Disable Time [2]	100 nS Max
Phase Jitter (12kHz ~ 20MHz)	0.9 pS Typ.
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.
[2] An internal pullup resistor from pin 1 to pin 6 allows active output if pin 1 is left open.

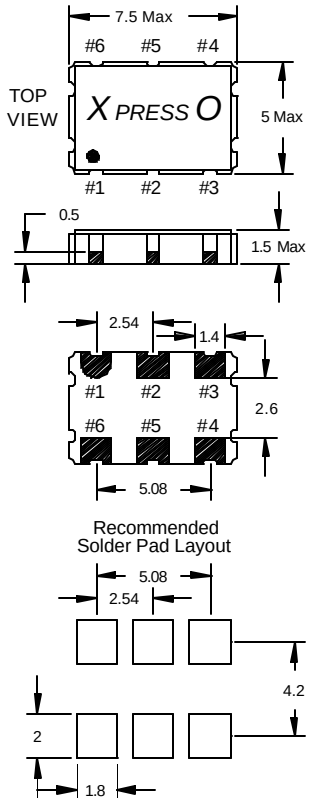
ENABLE/DISABLE FUNCTION[2]	
Pin 1	**OUTPUT (Pin 4, 5)**
OPEN [2]	ACTIVE
'1' Level VIH ≥ 70%V_{DD}	ACTIVE
'0' Level VIL ≤ 30%V_{DD}	High Z

NOTE A 0.01µF bypass capacitor should be placed between V_{DD} (Pin6) and GND (Pin 3) to minimize power supply line noise.

RoHS Compliance Status: Compliant

Drawing is for reference to critical specifications defined by size measurements.
Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary

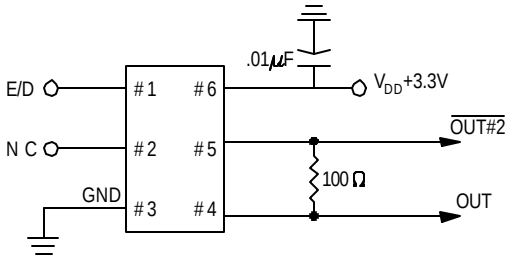
Mechanical / Dimensions (millimeters):



Pin Connections

#1 E/D	#4 Output 1
#2 NC	#5 Output 2
#3 GND	#6 V_{DD}

A. Recommended Circuit



NOTE: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

Reference / Comments	Title / Description: Product Specifications		
	Drawing Number: DWG-4551-4	Rev: 1	Size: A
	Part Number: 771-200-25		Cage: 61429
	Draftsperson: AR	Approved: BN	Date: 01/15/2008