



# Farnell Order Code: 1538956

FOX MODEL: FXO-LC735R-200 FOX Part Number: 771-200-25

LVDS, CERAMIC, SMD, OSCILLATOR

### **Specifications**

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Parameters				
Frequency	200 MHz			
Frequency Stability 1	±50 PPM			
Temperature Range				
Operating (T <sub>OPR</sub> )	-40°C ~ +85°C			
Storage (T <sub>STG</sub> )	-55°C ~ +125°C			
Supply Voltage (VDD)	3.3V ± 5%			
Input Current (IDD)	100 mA Max			
Differential Output Voltage (VoD)	0.250V ~ 0.450V			
Output Offset Voltage (Vos)	1.125V Typ			
Differential Output Swing (V <sub>P-P</sub> )	0.250V <sub>P-P</sub> Min			
Output Symmetry (50% V <sub>p-p</sub> Level)	45% ~ 55%			
Rise Time $(20\% \sim 80\% V_{p-p})$ (TR)	400 pS Max			
Fall Time (80% ~ 20% V <sub>p-p</sub> ) (TF)	400 pS Max			
Output Load (Recommended Circuit below)	100 ohms			
Startup Time (T <sub>S</sub> )	10 ms Max			
Output Enable / Disable Time <sup>2</sup>	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			

<sup>&</sup>lt;sup>1</sup> Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

<sup>&</sup>lt;sup>2</sup>An internal pullup resistor from pin 1 to pin 6 allows active output if pin 1 is left open.

ENABLE/DISABLE FUNCTION <sup>2</sup>			
Pin 1	OUTPUT (Pin 4, 5)		
OPEN <sup>2</sup>	ACTIVE		
'1' Level VIH ≥ 70%V <sub>DD</sub>	ACTIVE		
'0' Level VIL ≤ 30%V <sub>DD</sub>	High Z		

**NOTE** A  $0.01\mu F$  bypass capacitor should be placed between V  $_{DD}$  (Pin6) and GND (Pin 3) to minimize power supply line noise.

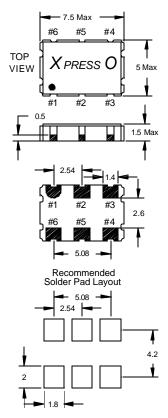
## RoHS Compliance Status: Compliant



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

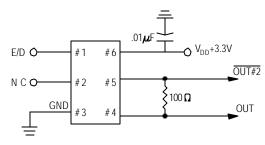
# Mechanical / Dimensions (millimeters):



## **Pin Connections**

#1 E/D #4 Output 1 #2 NC #5 Output 2 #3 GND #6 V<sub>DD</sub>

### A. Recommended Circuit



<u>NOTE</u>: 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.

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