

## Farnell Order Code: 1640998 FOX MODEL: FXO-HC736R-16.384

FOX Part Number: 768-16.384-56 HCMOS, CERAMIC, SMD, OSCILLATOR

16.384 MHz
±25 PPM
-40°C ~ +85°C
-55°C ~ +125°C
3.3V ± 5%
32 mA Max
10% V <sub>DD</sub> Max
90% V <sub>DD</sub> Min
45% ~ 55%
3 nS Max
3 nS Max
15 pF Max
10 ms Max
100 nS Max
< 1.1 pS Typ.
260°C / 10 Seconds
1
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 4 allows active output if pin 1 is left open.

ENABLE/DISABLE FUNCTION <sup>2</sup>				
Pin 1	OUTPUT (Pin 3)			
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  $V_{DD}$  (Pin4) and GND (Pin 2) to minimize power supply line noise.

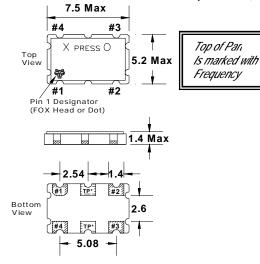
## RoHS Compliance Status: Compliant

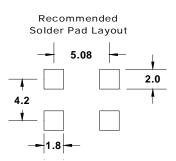


Drawing is for reference to critical specifications defined by size measurements.

Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary

## Mechanical / Dimensions (millimeters):

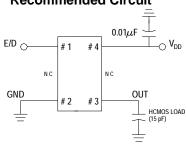




Note: XPRESSO HCMOS XOs are designed to fit or industry standard, 4 pad, layouts.

**Pin Connections** #1) E/D #3 Output #2 GND #4 VDD \*TP are test points and are NC

## **Recommended Circuit**



NOTE: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no

Reference / Comments	Title / Description: Product Specifications			
	Drawing Number: DV	VG-4549-18	Rev: 1	Size: A
	Part Number: 768-16.384-56  Draftsperson: AR Approved: BN			Cage: 61429
				Date: 08/25/2008