

Farnell Order Code: 1640990

FOX MODEL: FXO-HC736R-3.6864

FOX Part Number: 768-3.6864-61

HCMOS, CERAMIC, SMD, OSCILLATOR

A. Specifications

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Parameters			
Frequency	3.6864 MHz		
Frequency Stability 1	±25 PPM		
Temperature Range	_		
Operating (T _{OPR})	-40°C ~ +85°C		
Storage (T _{STG})	-55°C ~ +125°C		
Supply Voltage (V _{DD})	3.3V ± 5%		
Input Current (I _{DD})	32 mA Max		
Output Voltage (V _{OL})	10% V _{DD} Max		
(V _{OH})	90% V _{DD} Min		
Output Symmetry (50% V _{p-p} Level)	45% ~ 55%		
Rise Time (10% ~ 90% V _{p-p}) (TR)	3 nS Max		
Fall Time (90% ~ 10% V _{p-p}) (TF)	3 nS Max		
Output Load (HCMOS)	15 pF Max		
Startup Time (T _S)	10 ms Max		
Output Enable / Disable Time 2	100 nS Max		
Phase Jitter (12kHz ~ 20MHz)	< 1.1 pS Typ.		
Maximum Soldering Temp / Time	260°C / 10 Seconds		
Moisture Sensitivity Level (MSL)	1		
Termination Finish	Au		

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

²An internal pullup resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

ENABLE/DISABLE FUNCTION ²			
Pin 1	OUTPUT (Pin 3)		
OPEN ²	ACTIVE		
'1' Level VIH ≥ 70%V _{DD}	ACTIVE		
'0' Level VIL ≤ 30%V _{DD}	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.

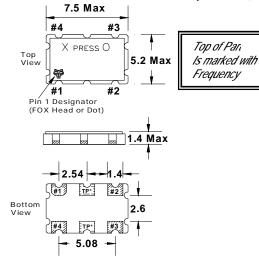
RoHS Compliance Status: Compliant

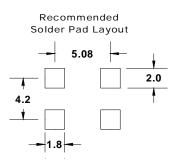


Drawing is for reference to critical specifications defined by size measurements.

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

B. Mechanical / Dimensions (millimeters):

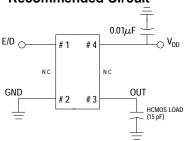




Note: XPRESSO HCMOS XOs are designed to fit or industry standard, 4 pad, layouts.

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 responsibility is assumed by Fox Electronics for inaccuracies

Reference / Comments	Title / Description: Product Specifications			
	Drawing Number: DWG-4549-10 Rev: 1 S			Size: A
	11.0		Cage: 61429	
			N	Date: 08/25/2008