

HCMOS 3.2 x 2.5mm 2.5V OSCILLATOR

EQXP-HC32 SERIES

Freq: 0.75MHz to 180MHz

Features

- Extremely low jitter
- Low cost
- Express delivery
- Stability from ±20ppm, -40 to +85°C
- RoHS compliant
- Serial ID with comprehensive traceability



Xrnsss0

Description

The XPRESSO range of fully configurable oscillators utilizes a family of proprietary ASICs developed for noise reduction to provide oscillators with noise levels comparable to traditional bulk-produced quartz and SAW-based oscillators.

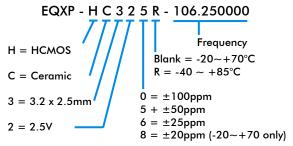
XPRESSO oscillators are low-cost, low-noise, with a wide frequency range, excellent ambient performance and available on very short leadtimes. All XPRESSO oscillators are 100% final tested.

Electrical Specification

0.750MHz ~ 180.0MHz					
from ± 20 ppm to ± 100 ppm					
-40° ∼ +85°C					
-55° ∼ +125°C					
+2.5 Volts ±5%					
22mA max.					
25mA max.					
29mA max.					
32mA max.					
35mA max.					
37mA max.					
15pF standard					
30pF <125MHz available					
10mS					
100ns					
10%Vdd max./90%Vdd min.					
20%Vdd max./80% Vdd min.					
45%/55%					
Rise/Fall Times					
3.5ns max.					
2.5ns max.					
1					

Maximum Soldering Parameters: Model Selection Guide

Termination Finish:



Jitter Measurements

			Rj/Dj Composition		
Frequency (MHz)		Time Interval Error σ of jitter distribution (ps RMS)			Total Jitter (Tj) (14*Rj)+Dj (ps)
62.5	0.9	2.9	1.3	9.2	28.4
106.25	0.8	3.5	1.4	9.0	27.2
125.0	0.8	2.5	1.3	8.8	27.7
156.25	0.9	3.1	1.4	10.4	30.3

260°C for 10 seconds

Typical applications

- Any application requiring an oscillator.
- SONET
- Ethernet
- Storage Area Networks
- Broadband Access
- Microprocessors/DSP/FPGA
- Industrial Controllers
- Test and measurement
- Fibre Channel

Supply Format

Tape and Reel, 8mm tape, 4.0mm pitch, 1k reel = 178mmØ

OUTLINE & DIMENSIONS

