

EQXP-HC72 SERIES

HCMOS 7x5mm 2.5V OSCILLATOR

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





Description

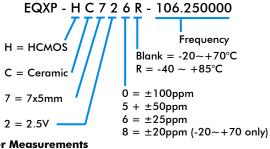
The XPRESSO range of fully configurable oscillators utilizes a family of proprietary ASICs developed for noise reduction to provide oscillators with noise levels comparable to traditional bulk-produced quartz and SAW-based oscillators.

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

Frequency Range:	0.750MHz ~ 180.0MHz
Frequency stability:	from ±20ppm to ±100ppm
Operating Temperature Range:	-40° ∼ +85°C
Storage Temperature Range:	-55° ∼ +125°C
Supply Voltage:	+2.5 Volts ±5%
Input Current	
0.75 ~ 20MHz:	22mA max.
20+ ∼ 50MHz:	25mA max.
$50 + \sim 100 MHz$:	29mA max.
$100 + \sim 130 MHz$:	32mA max.
130+ ∼ 160MHz:	35mA max.
160+ ~ 180MHz:	37mA max.
Output Load:	15pF standard
	30pF <125MHz available
Start up Time:	10mS
Output Enable/Disable Time:	100ns
Output Low/High Voltages	
0.75 ~ 150MHz:	10%Vdd max./90%Vdd min.
160+ ∼ 180MHz:	20%Vdd max./80% Vdd min.
Symmetry:	45%/55%
Rise/Fall Times	
0.75 ~ 160MHz:	3.5ns max.
160+ ∼ 180MHz:	2.5ns max.
Moisture Sensitivity Level:	1
Termination Finish:	Aυ

Model Selection Guide



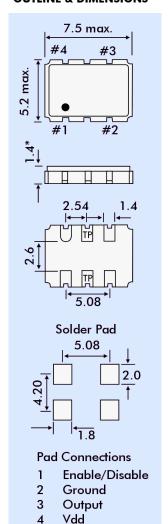
Typical applications

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

Supply Format

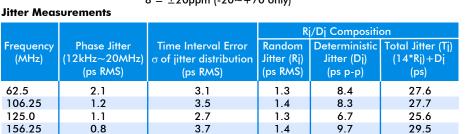
Tape and Reel, 16mm tape, 8.0mm pitch, 1k reel = 178mmØ 2k reel = 255mmØ

OUTLINE & DIMENSIONS



* TP are test points
- not connected

Maximum Soldering Parameters:



260°C for 10 seconds