

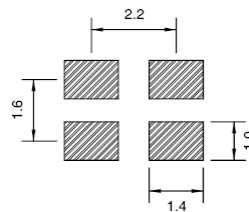
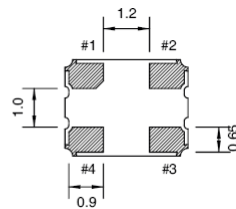
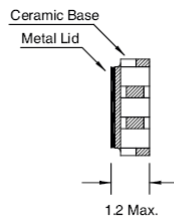
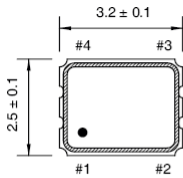
# Datenblatt/Datasheet

## QTPX3 - Programmable Oscillator -

Enclosure  
SMD 3.2x2.5

Date: 22.10.2014  
ROHS-compliance

### Dimensions



### PIN CONNECTIONS

- 1 Control
- 2 GND
- 3 RF Output
- 4 V<sub>DD</sub>



Parameter	MIN	TYP	MAX	UNIT	NOTE
Frequency range	1.5		200	MHz	
Frequency stability					
Nominal tolerance	± 5		± 20	ppm	adjustable
vs. Temperature in the operating temp. range	± 5		± 50	ppm	
vs. supply voltage				ppm	
vs. load change				ppm	
aging			< ± 5	ppm	+25°C, 1 <sup>st</sup> year
Supply voltage		2.7/3.3/ 5.0		V	
Current consumption			35	mA	
RF output					
Signal waveform		HCMOS			
Load		30 / 15		pF	(1)
Duty cycle	45		55	%	
Rise / fall time			4.0	ns	
Start-up time		3	10	ms	
Operating temperature range	- 40		+ 85	°C	
Storage temperature range	- 55		+ 125	°C	
Phase noise				dB <sub>c</sub> /Hz	at 100 Hz
Enclosure	SMD 3.2x2.5				(see drawing)
ESD rating (HBM)				kV	

Note: (1) frequency dependent, 30 pF up to 40 MHz



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