



RoHS compliant product

# Ultra 24.576 MHz

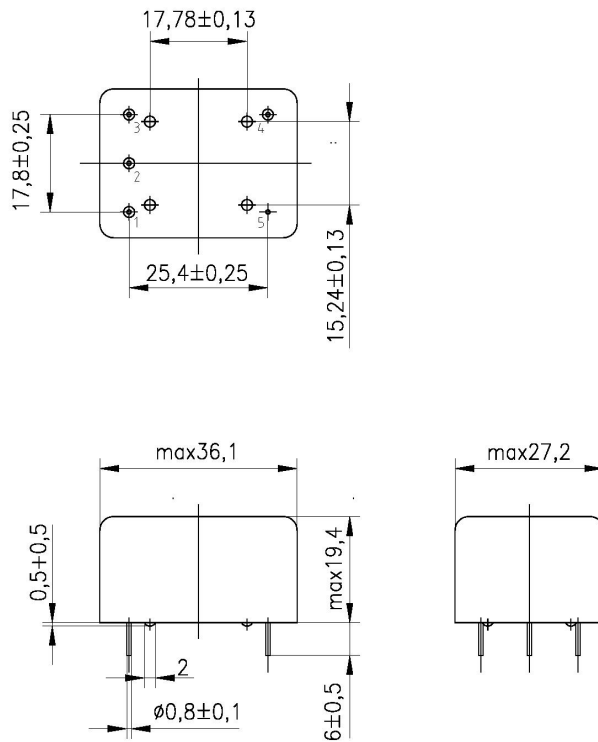


1. Specification	
Test conditions: $V_S = +3.3\text{ V}$ , $T_A = +25\text{ °C}$ unless otherwise stated	
Nominal Frequency:	24.576800 MHz
Initial tolerance at delivery @ 25°C:	$\leq \pm 2.0\text{ ppm}$
Frequency stability in the temperature range +10 °C to +70 °C: vs. supply voltage changes $V_S \pm 5\%$ : vs. load changes $\pm 10\%$ :	$\leq \pm 20.0 \times 10^{-9}$ $\leq \pm 3.0 \times 10^{-9}$ $\leq \pm 3.0 \times 10^{-9}$
Aging (after 30 days of continuous operation):	$\leq \pm 1 \times 10^{-9} / \text{day}$ $\leq \pm 1 \times 10^{-7} / \text{year}$ $\leq \pm 5 \times 10^{-7} / 10\text{ years}$
Supply Voltage $V_S$ :	$+3.3\text{ V} \pm 5\%$
Power consumption: @ +25 °C steady state: during warm-up:	$\leq 1.5\text{ W}$ $\leq 3.0\text{ W}$
Warm-up time: @ +25 °C within $\pm 5 \times 10^{-8}$ of final frequency after 1 h:	$\leq 5\text{ min}$
Output voltage : level load :	LVHCMOS LOW < 0,4V High > 2,4V 1 kOhm // 15pF
Phase Noise: 1 Hz: 10 Hz: 100 Hz: 1 kHz: 10 kHz: 100 kHz:	<u>max.</u> $\leq -100\text{ dBc} / \text{Hz}$ $\leq -130\text{ dBc} / \text{Hz}$ $\leq -145\text{ dBc} / \text{Hz}$ $\leq -150\text{ dBc} / \text{Hz}$ $\leq -153\text{ dBc} / \text{Hz}$ $\leq -155\text{ dBc} / \text{Hz}$
Short term stability (Allan variance) at 1 s	$\leq 5 \times 10^{-12}$
Weight:	$\leq 15\text{ g}$
Temperature ranges Operating: Storage:	+10 °C ... +70 °C -40 °C ... +95 °C
2. Environmental conditions	
According to Pink Faun Product Qualification	
3. Marking	
Customized label	

4				<b>Pink Faun high end audio</b> Van Deventerstraat 10 3911 KH, Rheden, The Netherlands Tel. +31 317 612358 Email. info@pinkfaun.com
3	Outsignal from sinewave to LVHCMOS	23.08.2018	√	
2	Phase noise + Short term stability	09.08.2018	√	
1		30.05.2018	√	
ED	Description	Date	Name	

## 4. Case

Case style: BF9-IS-19.4



### Pin configuration

1. N.C.
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3. Supply voltage  $V_s$
4. RF output
5. Ground, case

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