

Specification	AXHS1001	Issue: 01	Date: 2006-07-31
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Oscillator type : PLL Synthesizer in SMD package

Parameter	min.	typ.	max.	Unit	Condition
Frequency range	1000		2000	MHz	
Frequency step size	0.1		1	MHz	Note 1
Reference Input frequency	5		40	MHz	
Settling time			20	msec	Note 2
RF output					
Signal waveform	SINUS				
Amplitude		+5		dBm	$R_L = 50 \Omega$
Harmonics	-10			dBc	
Spurious	-50			dBc	
Phase Noise		-92		dBc/Hz	@ 10 kHz (Note 2)
Supply voltage 1 V_{S1}	4.75	5	5.25	V	
Supply voltage 2 V_{S2}	14.25	15	15.75	V	
Current consumption (steady state)		50		mA	
Operating temperature range	-40		+85	°C	
Operable temperature range	-45		+90	°C	
Storage temperature range	-55		+95	°C	
Enclosure (LxWxH)	38 x 25 x 10			mm	SMD style S103
Weight			5	gram	
Packing	bulk				IEC 60286-3
ESD Sensitivity	1500			V	HBM, IEC 61000-4-2

Notes:

1. The step size can be chosen by programming the device externally
2. Settling time and phase noise depend on the programmed step size

Ordering Code:

Model (Specification)	Frequency Range [MHz]
AXHS1001	1000-2000