AXTAL ADVANCED XTAL PRODUCTS

Specification	AXLE145B-11	Rev.: 1.1	Date:2012-08-23

Oscillator type : TCXO in SMD package

was: AXLE145B_2012081601A

Parameter	min.	typ.	max.	Unit	Condition
Nominal frequency		20.000		MHz	
Frequency stability					
Initial adjustment tolerance			± 1.0	ppm	@ 25°C
vs. operating temperature range			± 1.0	ppm	
operating temperature range	-40		+85	°C	
vs. supply voltage variation		± 0.1	± 0.3	ppm	± 5 %
vs. load change			± 0.2	ppm	± 10 %
long term (aging) per year			± 1	ppm/y	@+40°C
Frequency adjustment range					
Electronic Frequency Control (EFC)		N.A.		ppm	
EFC voltage V_C				V	
EFC slope ($\Delta f / \Delta V_C$)					
EFC input impedance				kΩ	
RF output					
Signal waveform		Sine wave			
Load		50		Ω	
Amplitude		+7		dBm	
Phase noise		see chart		dBc/Hz	Typical response
Supply voltage	4.75	5.0	5.25	V	
Current consumption			30	mA	
Operable temperature range	-55		+90	°C	
Storage temperature range	-55		+105	°C	
Enclosure (see drawing) (L x W x H)		14.8 x 9.2 x 5.5 max.		mm	IEC 61837 CO 27
Packing		Tape & Reel			
Handling and Testing		In accordance with AXAN-011			www.axtal.com
Processing		In accordance with AXAN-012			www.axtal.com

Notes:

1. Terminology and test conditions are according to IEC standard IEC60679-1, unless otherwise stated

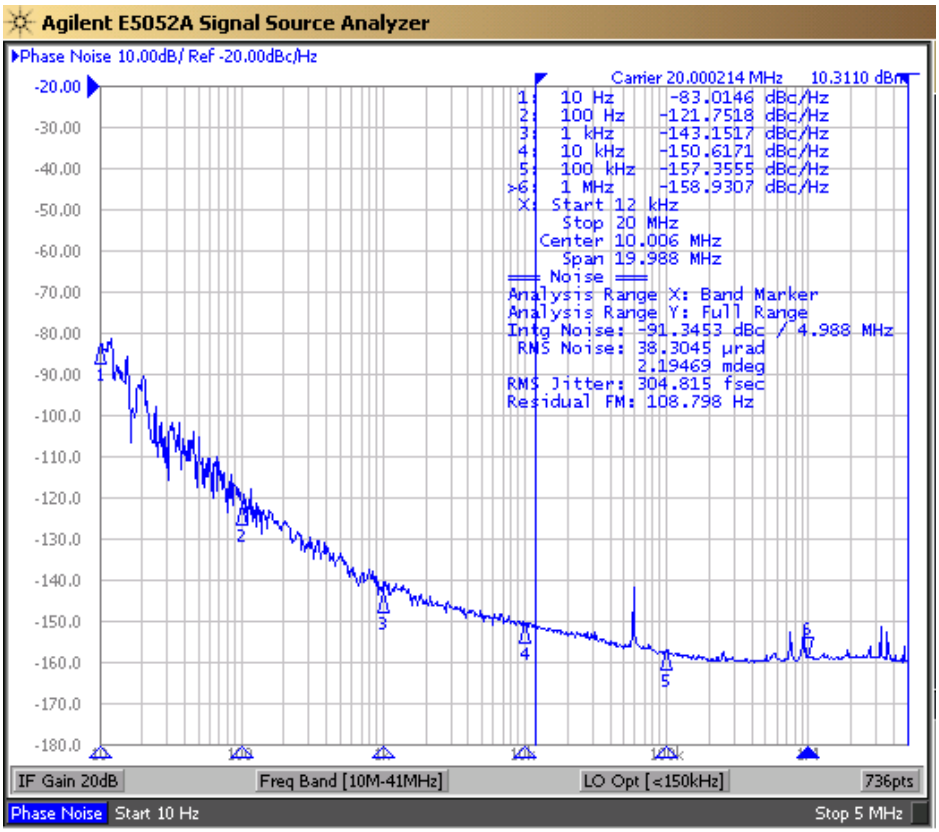
Ordering Code:

Part number	Frequency
AXLE145B-11	20.000 MHz

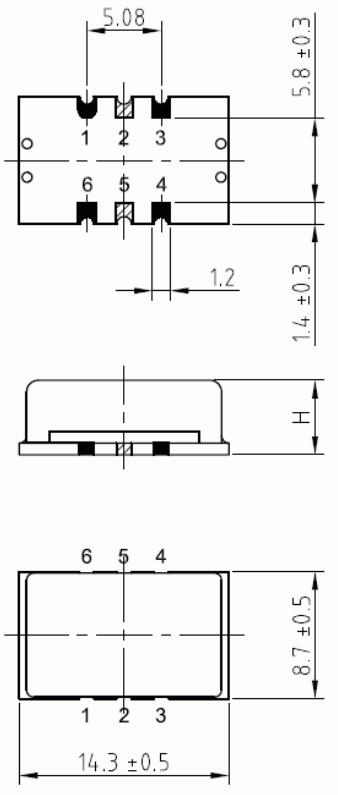
Revision History

Rev.	Date [dd.mm.yyyy]	Remarks	Author
1	17.08.2012	Preliminary data sheet AXLE145B_2012081601A	BN
1.0	22.08.2012	Final P/N AXLE145B-11, no changes	BN
1.1	23.08.2012	Pin connection table corrected	BN

Typical phase noise response



Enclosure drawing



Pin connections

Pin #	Symbol	Function
1	N.C.	No Connection
3	GND	Ground
4	RF OUT	RF Output
6	VS	Supply Voltage