

Specification	AXIS60-11	Issue: 04	Date: 2009-09-22
----------------------	------------------	-----------	------------------

Oscillator type : VCXO in SMD package

Parameter	min.	typ.	max.	Unit	Condition
Frequency range	10		90	MHz	
Standard frequencies	64.250			MHz	Note 2
Frequency stability				ppm	
Initial tolerance			± 10	ppm	@+25°C
vs. temperature			± 20	ppm	(steady state)
Operating temperature range	0		+70	°C	
vs. supply voltage variation			± 3	ppm	V _S ± 5 %
vs. load change			± 1	ppm	R _L ± 5 %
long term (aging) per year			± 2	ppm/year	@ 40°C
Frequency adjustment range					
Electronic Frequency Control (EFC)	± 100			ppm	
EFC voltage V _C	0		5.0	V	
EFC slope (Δf / ΔV _C)	positive				
EFC non-linearity			10	%	
EFC input impedance	100			kΩ	
RF output					
Signal waveform	Sine wave				
Load R _L	50			Ω	
Level	-2	0	+2	dBm	Note 3
Harmonics			-20	dBc	
Anharmonics and subharmonics			-40	dBc	
Phase Noise L(f)		-95 -115 -125 -125		dBc dBc dBc dBc	@ 100 Hz @ 1 kHz @ 10 kHz @ 100 kHz
Supply voltage V_S	4.75	5.0	5.25	V	
Current consumption (steady state)			45	mA	@ +25°C
Operable temperature range	-25		+75	°C	
Storage temperature range	-40		+85	°C	
Enclosure (see drawing)	19.1x13.1x5.5 max			mm	IEC 61837 CO30
Weight			3	gram	
Packing	Tape & reel				IEC 60286-3
ESD Sensitivity	1500			V	HBM, IEC 61000-4-2
Handling and Testing	In accordance with AXAN-011				www.axtal.com
Processing	In accordance with AXAN-012				www.axtal.com

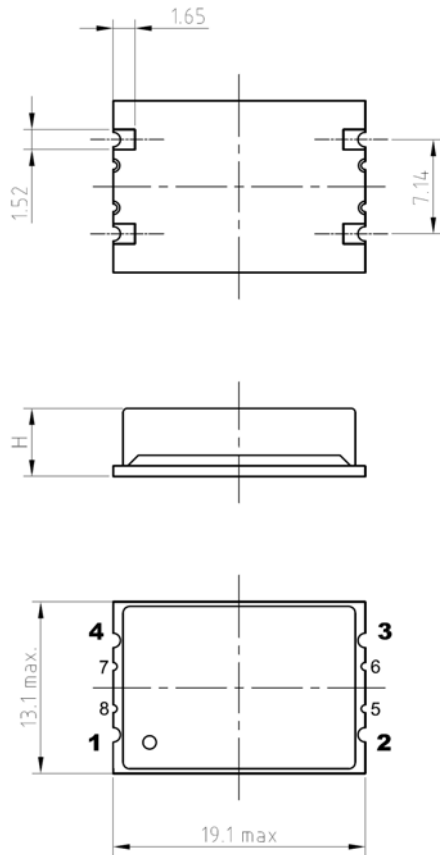
Notes:

1. Terminology and test conditions are according to IEC standard IEC60679-1, unless otherwise stated
2. Other frequencies on request
3. Higher output level on request

Ordering Code:

Model (Specification)	Frequency [MHz]
AXIS60-11	64,250

Enclosure drawing



Pin connections

Pin #	Symbol	Function
1	V _C	Control Voltage (EFC)
2	GND	Ground
3	RF OUT	RF Output
4	V _S	Supply Voltage
5~8	I.C.	Don not connect

Environmental conditions

Test	IEC 60068 Part ...	IEC 60679-1 clause ...	Test conditions
Sealing tests (if applicable)	2-17	4.6.2	Gross leak: Test Qc, Fine leak: Test Qk
Solderability Resistance to soldering heat	2-20 2-58	4.6.3	Test Ta (235 ± 5)°C Method 1 Test Tb Method 1A, 5s
Shock*	2-27	4.6.8	Test Ea, 3 x per axes 100g, 6 ms half-sine pulse
Vibration, sinusoidal*	2-6	4.6.7	Test Fc, 30 min per axes, 10 Hz - 55 Hz 0,75mm; 55 Hz - 2 kHz, 10g
Endurance tests - ageing - extended aging		4.7.1 4.7.2	30 days @ 85°C, OCXO @25°C 1000h, 2000h, 8000h @85°C

Other environmental conditions on request