

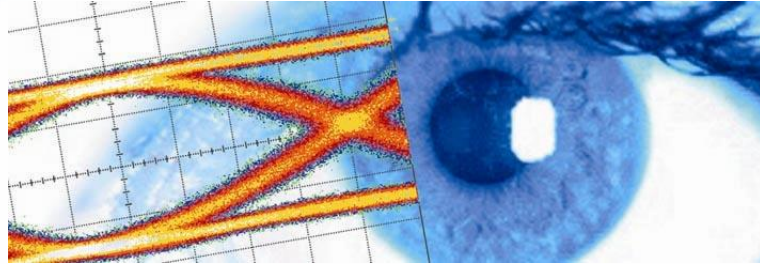


## SHF Communication Technologies AG

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# Datasheet

## SHF 78210 A

### Synthesized Signal Generator





## Description

The Synthesized Signal Generator SHF 78210 A was developed to provide our BERT system customers with a suitable internal clock source for their 100G Ethernet test applications, at reasonable cost. With a frequency range from 24 GHz to 32 GHz all bit rates of interest are covered. The output power can be varied between 0 dBm and +6 dBm in 0.1 dB steps.

## Features

- Output frequency range from 24 GHz to 32 GHz
- Output power adjustable from 0 dBm to +6 dBm in 0.1 dB steps
- Computer controlled

## Specifications – SHF 78210 A

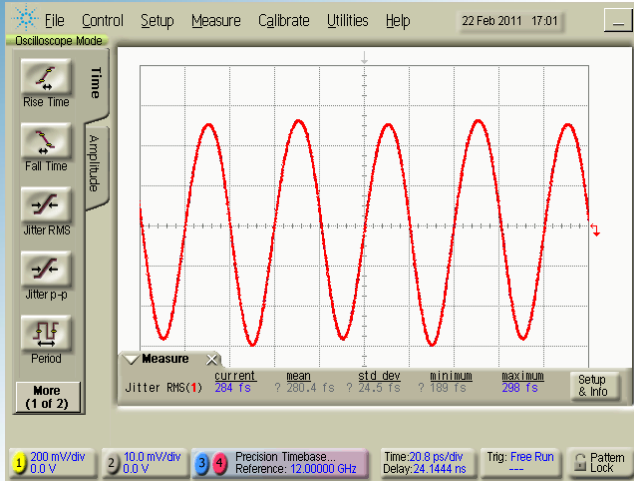
Parameter	Unit	Min.	Typ.	Max.	Comment
<b>Clock Output</b>					
Operating Frequency	GHz	24		32	
Frequency Resolution	MHz		1		50 $\Omega$ 1.85 mm Connector
Output Power	dBm	0		+6	50 $\Omega$ 1.85 mm Connector
Spurious Signals	dBc			-20	
SSB Phase Noise	dBc/Hz		tbd		

## General specifications

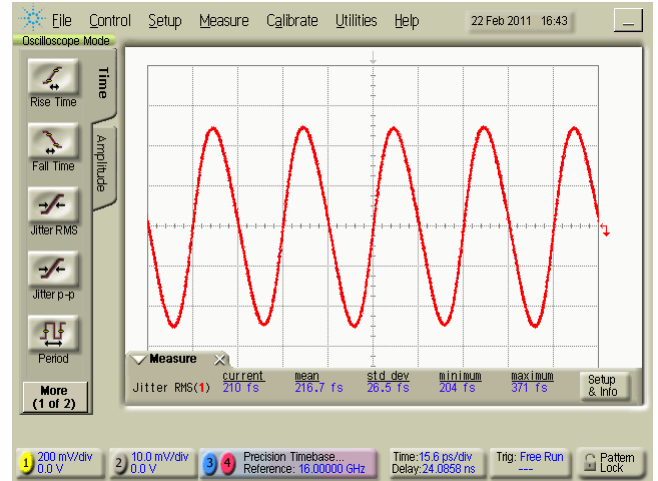
Parameter	Unit	Min.	Typ.	Max.	Conditions
Weight	kg		3.3		
Dimensions	mm		59x213x450		w/o Front Panel Connector
Power consumption	W		12		
Operating temperature	°C	10		35	
Clock Output connector			V (1.85mm)		



# Typical Output Signal Waveforms



24 GHz at +6dBm



32 GHz at +6dBm