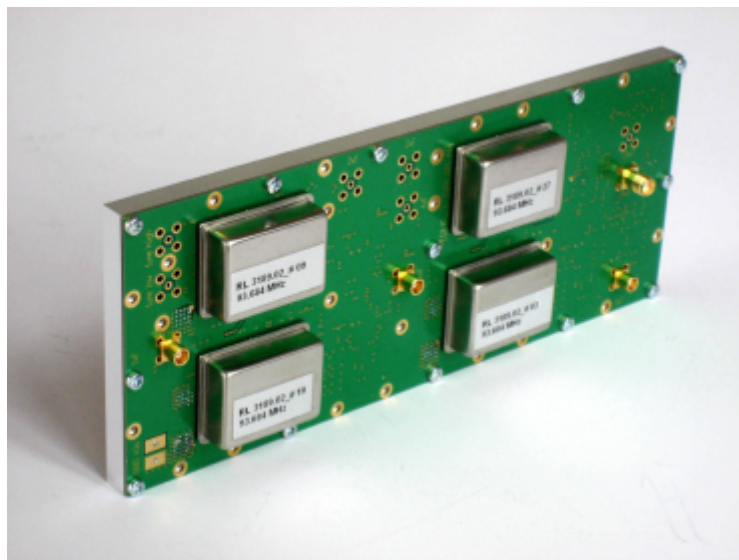


Reference Clock Oscillator Model: RL 3839.03 TRUS

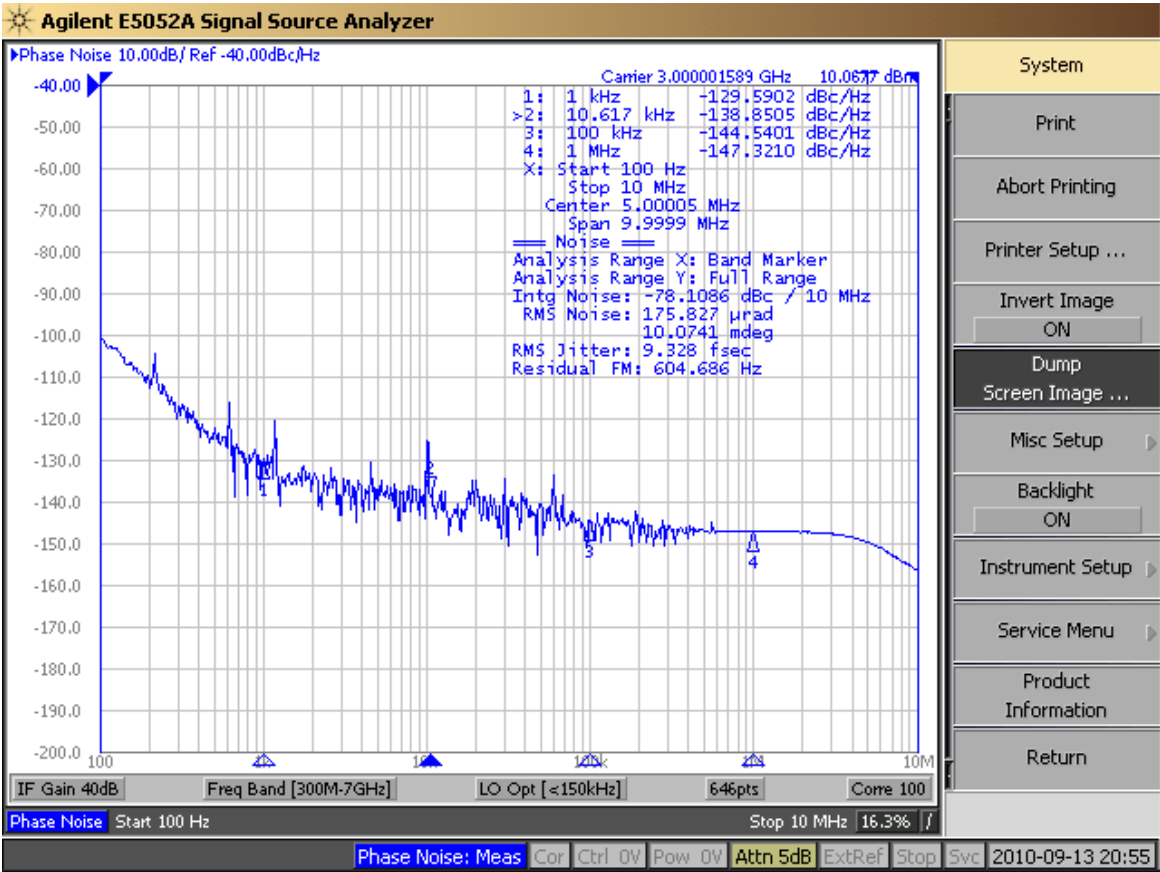
- low phase noise -135 dBc @ 1 kHz
- coherent multiplied outputs
- +10 dBm output power
- external tuning input



General specifications:

Standard frequencies	640 / 800 / 1000 / 1300 / 3000 MHz	(other frequencies on request)
Frequency stability	$\leq \pm 2 \times 10^{-7}$ (- 20 ° C to + 70 ° C)	
Frequency tuning range	± 2 ppm	
Tuning voltage	0 . . + 5 V DC	
Output power	+10dBm	
Typical phase noise @ 1 GHz (8 N)	< -85dBc @ 10 Hz offset < -105dBc @ 100 Hz offset < -135dBc @ 1 kHz offset < -145dBc @ 10 kHz offset < -150dBc @ 100 kHz offset < -155dBc @ 1 MHz offset < -160dBc @ 10 MHz offset	
RMS jitter [100 Hz – 10 MHz]	<10 fsec	
Multiplied output frequencies	N, 2N, 4N, 8N, 24N	
Output VSWR	2.0:1 max	
Harmonics	< -30 dBc	
Dimensions millimeters	200 x 80 x 30	
DC supply	+15V DC	
Current consumption	1.5 A startup, 700 mA operation	
RF output connectors	SMA Female	
RF input connectors	SMA Female	
Tune input	SMA Female	
Environmental Specification:		
Operating Temperature	-20 to +50degC	
Storage Temperature	-40 to +85degC	

phase noise and RMS jitter 100 Hz . . 10 MHz



mechanical dimensions [mm] :

