

C-Band Synthesizer

CSS 5 – 6,5

Description / Application

This synthesizer was designed for a sensor application. The outstanding switching time allows frequency agile operation.

Variations

For other frequency bands please contact factory.

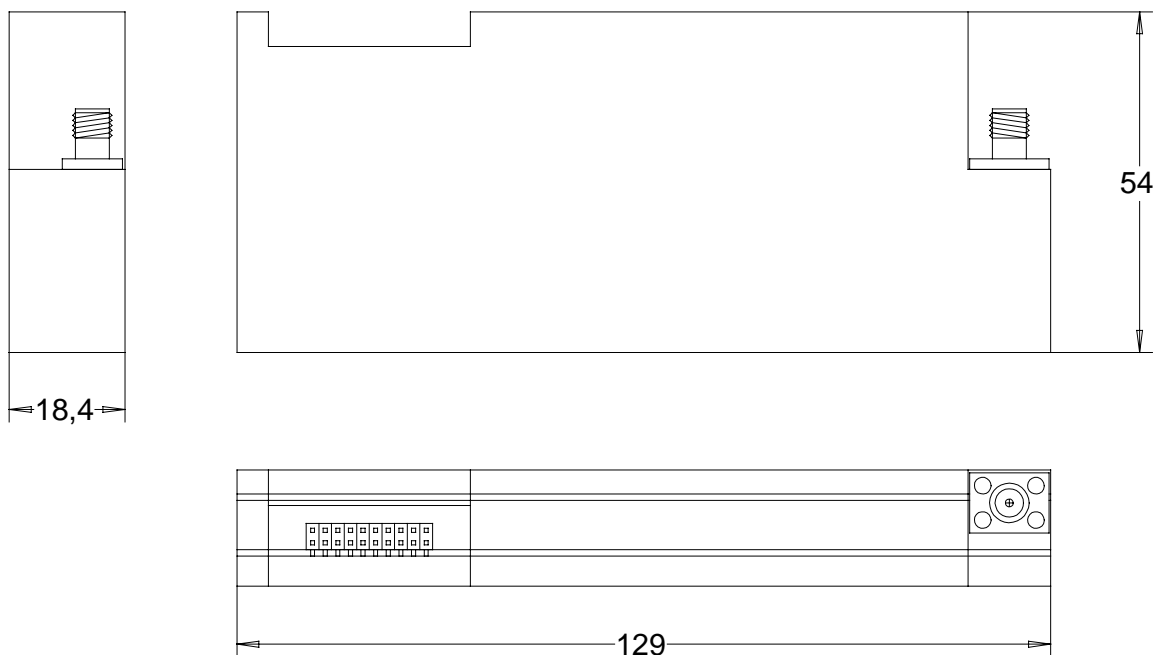
Electrical Specifications

Frequency Range	5000 MHz .. 6500 MHz	
Frequency Stability	< 20 ppm	
Synthesizer Resolution	10 MHz	
Switching Speed	< 1 µsec	
Phase Noise @ 5.5 GHz	-100 dBc/Hz @ 100 kHz	
Spurious	< -70 dBc @	
Harmonics	< -35 dBc	
Output Impedance	50 Ohm	
Output Level	18 dBm min Input for external levelling	
Internal Reference	20 MHz	
Reference Output	20 MHz appr. 1 Vss	
Reference Input	20 MHz appr. 1 Vss	
Interfaces	Serial, 19200 baud, TTL-Level	
Command Language	Ascii Commands including Adress (two units can be operated together)	
Temperature Range	0 .. 80°C	
Dimensions:	129 x 64 x 18.4 mm ³	
Power Supply:	24V 50 mA 6.5 V 460 mA -6.5 V 10 mA (typical currents)	
Connectors	RF SMA female DC, Interface Flat cable connector	

Blockdiagramm of the synthesizer

Company Confidential – For more information, please contact factory

Outline Drawing



For technical information, samples, price and delivery please contact:

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