SYN0020A-U

USB RF Synthesizer

Features

- **50 MHz to 22 GHz synthesizer**
- **USB Type-C interface**
- **Low phase noise**
- **GUI and API control**

Applications

- **Wireless infrastructure design**
- **Up-converting and down-converting**
- **Educational / university lab use**
- **Production verification and test setups**
- **Automated Test Equipment (ATE)**
- **General RF lab use**
- **Flexible and portable LO sourcing**

Electrical Specifications

Parameter	Min	Typical	Max
Frequency Range	50 MHz		22 GHz
Frequency Resolution		1 Hz	
Frequency Stability[1]		± 1 ppm	
Operating Temperature	0°C		50°C

[1] Measured after 10 minutes of operation.

SYN0030A-U

USB RF Synthesizer

Features

- 50 MHz to 30 GHz synthesizer
- USB Type-C interface
- Low phase noise
- GUI and API control

Applications

- Wireless infrastructure design
- Up-converting and down-converting
- Educational / university lab use
- Production verification and test setups
- Automated Test Equipment (ATE)
- General RF lab use
- Flexible and portable LO sourcing

Electrical Specifications

Parameter	Min	Typical	Max
Frequency Range	50 MHz		30 GHz
Frequency Resolution		1 Hz	
Frequency Stability [1]		± 0.5 ppm	

[1] Measured after 10 minutes of operation.

Applications

- **Wireless infrastructure design**
- **Up-converting and down-converting**
- **Educational / university lab use**
- **Production verification and test setups**
- **Automated Test Equipment (ATE)**
- **General RF lab use**
- **Flexible and portable LO sourcing**
- **Ka-band development**
- **5G testing**

Features

- **50 MHz to 40 GHz synthesizer**
- **USB Type-C interface**
- **Low phase noise**
- **GUI and API control**

Electrical Specifications

Parameter	Min	Typical	Max
Frequency Range	50 MHz		40 GHz
Frequency Resolution		1 Hz	
Frequency Stability [1]		± 0.5 ppm	

[1] Measured after 10 minutes of operation.