

Features:

- Precise Frequency Control
- Low Phase Noise
- Dual Mode Operation (Extended by GUI)
- Long Battery Life (4 Hrs)
- Small & Rigid design
- Economical
- Software Operated

Description:

The RFDDV104-107-10 is a Signal Source which operates in frequency ranges from 100 KHz to 100 MHz with 10 KHz frequency steps. The signal output uses a SMA connector to facilitate the connection to RF test equipment.

Applications:

- Agile LO frequency synthesis
- Low jitter, fine tune clock generation
- Test and measurement equipment
- Wireless base stations and controllers
- Secure communications
- FM Application

Standard Accessories:

- Charger (Figure 1)
- SMA(M) to SMA(M) 50 Ω cable 10" (Figure. 2)

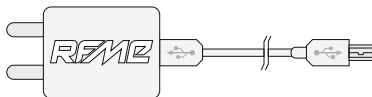


Figure 1



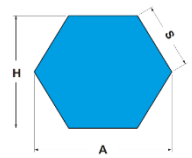
Figure 2



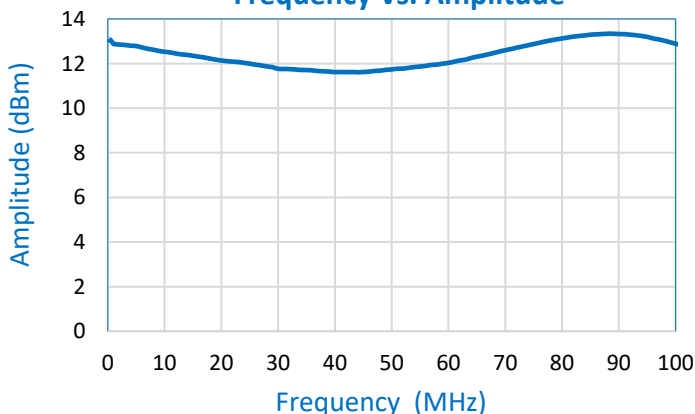
Electrical Specifications:

Frequency Range:	100 KHz to 100 MHz
Output Power :	12.5 ± 1.5 dBm
Output Impedance:	50 Ω
Mode of Operation:	Single/Sweep/Pulse
Sweep Time:	100 msec - 100 sec.
Harmonic Response:	Minimum 34 dBc
Spurious Response:	Minimum 60 dB
Phase Noise:	-110 dBc/Hz @ 100KHz
VSWR:	≤ 2:1
Resolution :	10 KHz
External Trigger In/Out:	3 V /2.5 V
External Trigger Connector:	SMB (F)
USB Interface:	Type-B
OLED Display :	27.0 X 11.5 mm (128 x 32)
Charging Voltage:	5V Maximum
Operating temperature:	0 °C to 50 °C
Battery Operation :	4 Hours on a single charge
Output Connector:	SMA (F)
Power Consumption:	1.50 Watt (Max.)

Mechanical Specifications:

Dimensions (mm) :	(A) = 165.5 (H) = 143.3 (S) = 82.74	
Shape:	Hexagonal shape	
Weight:	500 gm	

Frequency Vs. Amplitude



Harmonics

