

**Features:**

- Long Battery Life
- Economical
- Small & Rigid design

Order Code	Description
TFFGV010-016	1Hz to 1MHz
TFFGV010-036	1Hz to 3MHz
TFFGV010-056	1Hz to 5MHz

**Description:**

The RFFGV010-0XX is a Function Generator which operates in frequency ranges from 1 Hz to 5 MHz with 10 mHz frequency resolution. The signal output uses a SMA connector to facilitate the connection to RF test equipment. Waveform can be Sine, Triangle, Square and Pulse.



**Applications:**

- Agile LO frequency synthesis
- Low jitter, fine tune clock generation
- Test and measurement equipment
- Secure communications
- Fast frequency hopping

**Standard Accessories:**

- Type-B USB Charger (5V – 2A) (Figure 1)
- SMA(M) to SMA(M) 50 Ohms cable 10" (Figure. 2)

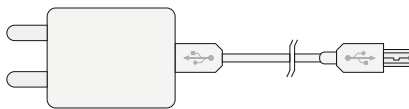


Figure 1

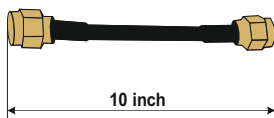



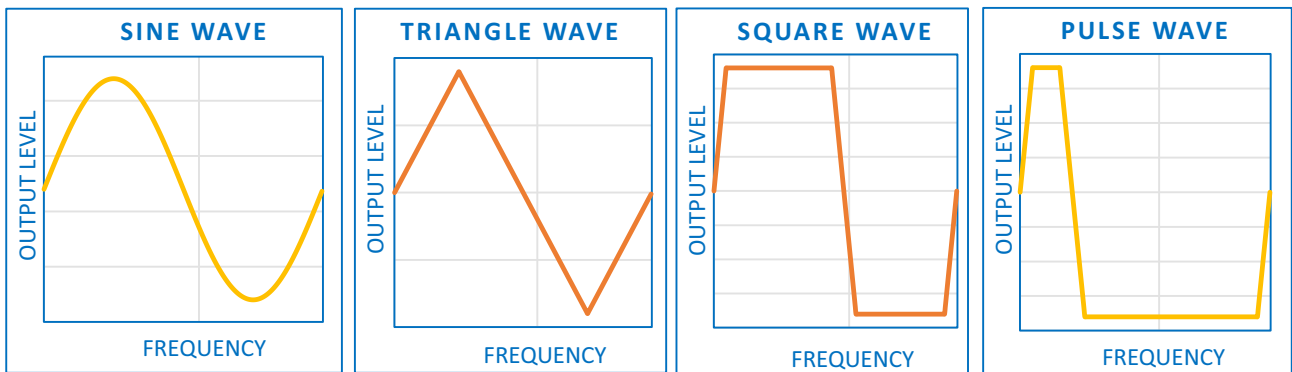
Figure 2

**Electrical Specifications:**

Frequency Range:	1 Hz to 5 MHz
Frequency Resolution:	10 mHz
Output Level:	0.65Vpp to 5Vpp
Amplitude Resolution:	± 0.5Vpp
Output Impedance:	50 Ω / 150 Ω / 600 Ω / 1M Ω
Mode of Operation :	Single/Sweep
Sweep Time :	User Input (100ms – 100s)
<b>Sine Wave:</b>	
Harmonics & Spurious	Minimum 45 dB
Flatness	±2 Db
<b>Triangle Wave:</b>	
Linearity	98 %
<b>Square / Pulse Wave:</b>	
Rise or Fall Time	100ns
Pulse Wave Duty cycle	10 % to 90 %
OLED Display :	27.0 X 11.5 mm (128 x 32)
Operating temperature:	0 °C to 50 °C
Battery Operation :	8 Hours on a single charge
Output Connector:	SMA (F)
Power Consumption:	2 Watt (Max.)

**Mechanical Specifications:**

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



Note: Specifications are subject to change.