

**Specifications:-**

- Output frequency : 1 μ Hz~10MHz
- Output waveform : 32 built-in waveforms, including Sine, Square, Triangle, Ramp, Pulse, etc.
- Waveform length : 1024 points
- Vertical resolution : 8 bits
- Sampling rate : 100MSa/s
- Sine Harmonic distortion : ≥ 40 dBc (<1MHz); ≥ 35 dBc (1~20MHz)
- Total distortion : $\leq 1\%$ (20Hz~200kHz)
- Square Rise/fall time : ≤ 35 ns
- Overshoot : $\leq 10\%$
- Duty cycle : 1%~99%

Frequency

- Range Sine: 1 μ Hz~10MHz
- Range Square : 1 μ Hz~5MHz
- Range Other : 1 μ Hz~1MHz
- Resolution : 1 μ Hz
- Accuracy : $\pm 5 \times 10^{-5}$
- Stability : $\pm 5 \times 10^{-6}$ /3hours

Sweep

- Parameter : Frequency, Amplitude
- Range : Free to set start and stop point
- Time : 100ms~900s
- Direction : Up, Down, Up-Down
- Mode : Linearity, Logarithmic
- Control : Auto sweep or manual sweep

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

Frequency Modulation (FM)

- Carrier signal : CHA signal
- Modulating signal : CHB or external signal
- Deviation : 0%~20%

Shift Keying

- FSK : Free to set the hop frequency and the carrier frequency
- ASK : Free to set the hop amplitude and the carrier amplitude
- PSK : Hop phase: 0~360°, resolution: 1°
- Alternative rate : 10ms~60s

Burst

- Carrier signal : CHA signal
- Trigger signal : TTL_A signal
- Burst counts : 1~65000 cycles
- Trigger source : Internal TTL, External, Single

CHB output characteristics

- Output waveform : 32 built-in waveforms, including Sine, Square, Triangle, Ramp, Pulse, etc.
- Waveform length : 1024 points
- Vertical resolution: 8 bits
- Sampling rate : 12.5MSa/s
- Frequency range Sine: 1μHz~1MHz; Other: 1μHz~100kHz
- Frequency resolution : 1μHz
- Frequency accuracy : $\pm 1 \times 10^{-5}$
- Amplitude range : 50mVpp~20Vpp (open circuit)
- Amplitude resolution : 20mVpp
- Output impedance : 50Ω
- CHB signal is used as burst signal
- Carrier signal : CHB signal
- Trigger signal : TTL_B signal
- Burst counts : 1~65000 cycles
- Trigger source : Internal TTL, External, Single

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TTL output

- Waveform : Square, rise/fall time $\leq 20\text{ns}$
- Frequency: 10MHz~1MHz
- Amplitude : TTL, CMOS compatible, low $<0.3\text{V}$, high $>4\text{V}$

Frequency counter

- Frequency range : 1Hz~200MHz
- Input amplitude : 100mVpp~20Vpp

Power amplifier (optional)

- Max. output power : 7W (8 Ω), 1W (50 Ω)
- Max. output voltage : 22Vpp
- Frequency bandwidth : 1Hz~200kHz

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