

ST- 3002 FUNCTION GENERATOR



ST-3002 is a highly stable, advanced function generator. Which generates square, triangle, sine, pulse waveform. With VCF input signal control. TTL/CMOS synchronize with OUT PUT, waveform adjustable symmetrically, DC voltage continuously adjustable.

SPECIFICATION:

Frequency	-	ST-3002: 0.1-2MHz
Output Waveforms	-	Sine, Triangle, Square, Positive and Negative Pulse Positive and Negative Sawtooth
Output Impedance	-	50Ω ± 10%
Amplitude	-	Not less than 20Vp-p (open circuit)
DC Voltage	-	upto ± 10V continuously adjustable
Symmetry Range	-	90:10 -- 10:90
Rising Edge of Square	-	ST-3002: less than 100ns

Sine Waveform Characteristic:

Distortion	-	10Hz-100KHz <1%
Frequency Response	-	0.1Hz to 100MHz : less than ±0.5dB 100KHz to 2MHz(SM1641) less than ±1d

TTL/CMOS Output:

Level	-	TTL low level less than 0.4V in pulse wave, high level less than 3.5V. CMOS low level less than 0.5V in pulse wave, high level 5V-14V continuously variable.
Rising Time	-	Less than 100ns

VCF Input:

Output Voltage	-	- 5V ~ 0V ± 10%
Max. Voltage controlled	-	1000:1
Input Signal	-	DC-1KHz

Frequency Counter

Measure Range	-	1Hz-30MHz ≥ 10VP-P
Input Impedance	-	≥ 1MΩ / 20pF
Sensitivity	-	100mVrms
Max. Input	-	150V(AC+DC)
Input Attenuation	-	20dB
Accuracy	-	Less than 0.003% ± 1digit
Line Power	-	220V/110V ± 10% ; 50Hz/60Hz
Dimension	-	310 (W) x 230 (H) x 90 (D) mm

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