

ST3002 Generator



Features

1. Frequency of the model 0.1 Hz~2MHz
2. Output waveform : Sine, Triangle, Square, ± Ramp, ±Pulse Voltage Control Frequency (VCF) capability
3. TTL/CMOS and OUTPUT synchronous output
4. Less than 1% distortion at 10Hz~100KHz
5. Less than 0.5 dB frequency response at 0.1 Hz~100KHz
1 Hz~30MHz frequency counter

Technical Specification

FREQUENCY	ST-3002: 0.1~2MHz	ST-3005 : 0.1~5MHz
Output Waveform	Sine, Triangle, Square, Positive and negative Pulse Positive and Negative Sawtooth	
Output Impedance	50 Ω ± 10 %	
Amplitude	Not less than 20 Vp-p (open circuit)	
DC Voltage	0 ± 10 V continuously adjustable	
Symmetry Range	90:10--10:90	
Rising Edge of Square	ST-3002: less than 100ns	ST-3005: less than 50ns
Sine Waveform Characteristic		
Distortion	10 Hz-100kHz<1%	
Frequency Response	0.1Hz to 100 MHz : less ± 0.5 dB	
TTL/CMOS Output		
Level	TTL low level than 0.4 in pulse wave, high level less than 3.5 V. CMOS low level less than 0.5 V in pulse wave, higher 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	1 Hz-10MHz≥10VP-P	
Input Impedence	≥1 mΩ/20pF	
Sensitivity	100m Vrms	
Max. Input	150V (AC+DC)	
Input Attenuator	20dB	
Accuracy	Less than 0.003% ±1 digit	
Line Power	220V/110V ± 10%, 50Hz-60 Hz	
Dimension	310 (w) x 230 (H) x 90 (D)mm	

Salicon Nano Technology Pvt. Ltd.

111, 1st Floor, Laxmi Deep Tower, Laxmi Nagar District Center, Delhi - 110092, INDIA,
Tel: 91-11-22525940, 40618940; Fax; 91-11-22525941; E-mail: info@salicontech.com; Web: www.salicontech.com