

Versatile Function-Pulse Modulation Generators

that have All !!

Sine, Square, Triangle, Ramp, Pulse, AM, FM, ASK, FSK, PWM, Sweep



ST 4061: Standard
2 MHz Function-Pulse Generator
 with External FM



ST 4062: Multi Feature
2 MHz Function-Pulse Generator with PWM,
 External AM (Standard & Balanced),
 FM and Internal Sweep



2 Generators,
 6 Functions,
 6 Modulations.

ST 4063: Universal
10 MHz Function-Pulse Generator with
 Internal and external AM (Standard &
 Balanced), FM, ASK, FSK, PWM
 and Internal Sweep



6 Functions,
 6 Modulations.

ST 4064: Multi Function
10 MHz Modulation Function-Pulse Generator
 with External AM (Standard & Balanced),
 FM, ASK, FSK, PWM
 and Internal Sweep

Unique Features

- Sine, Sq., Triangle, Ramp, Pulse outputs
- 0.2 Hz to 10 MHz Frequency in 7 steps
- 20 Vpp output and DC Offset
- AM Balance, AM Stand. FM, ASK, FSK, PWM, modulation
- Internal Modulation Generator
- 3 ½ Digit Display
- TTL Output
- Internal Sweep
- 20, 40, 60dB attenuation
- Rise & Fall time < 50ns
- 2Year Warranty

The New Function - Pulse Generators ST4061, ST4062, ST4063 & ST4064 fulfil today's demand of electronics laboratories in universities, colleges and training centres.

They have all !! Whether you need Pulse and Ramp in addition to Sine, Square, Triangle over the frequency range of 2 MHz, or you need internal and external AM-FM or internal sweep, or ASK, FSK, PWM The series have all !! and also TTL Output.

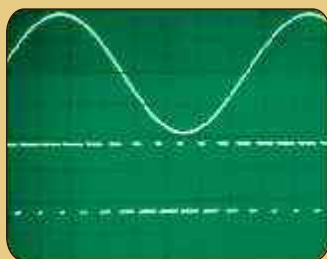
Pulse duty cycle and sweep time are variable. AM standard and AM balanced modulation are done with great accuracies showing clearly the depth of modulation. Attractive sleek design makes this new series an ideal choice for modern laboratories.

Versatile Function-Pulse Modulation Generators

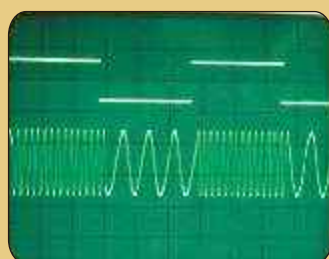
Technical Specifications

Description	ST4061	ST4062	ST4063	ST4064
Operating Modes	Sine, Square, Triangle, Ramp, Pulse			
Frequency Range	0.2 Hz to 2 MHz in 7 steps (variable in between)		1Hz to 10 MHz Sine (2 MHz others) in 7 steps (var.in between)	
Frequency accuracy	± 2 % +/- 7 digits			
Sine wave Distortion	1.5 % (typical)		1.5 % (2MHz) 2% (10MHz) typical	
Square wave Rise & Fall Time	≤ 50ns			
Pulse Duty Cycle	15% to 85% var. (min width 200ns)			
Triangle Nonlinearity	0.5% (typical)		1% (typical)	
Frequency Display	3 ½ digit LED			
Output Impedance	50 Ohms			
Output Voltage	20Vpp O.C.			
Attenuation	20dB, 40dB, 60dB (Variable in between)			
Level Flatness	0.5dB (typical)		0.5dB (2MHz) & 1.5dB (10 MHz) typical	
DC Offset	±5 V adjustable			
Internal Sweep	20 ms- 4s variable			
Modulation	FM	PWM, AM, Bal, AM Std, FM	PWM, AM Bal, AM Std, FM, ASK, FSK	
Modulation Frequency Range	DC to 20 KHz			
Modulation input	2Vpp max		2V & 10V.	
Modulation Generator				
Operating Modes			Sine, Square, Triangle	
Frequency Range			1 Hz – 10 KHz (var.)	
Output			2V P –P	
Frequency Display			On Main window	
Frequency Accuracy	± 2 % +/- 7 digits			
Power Supply	230V AC ± 10%, 50 Hz			
Power Consumption	10VA approx		11VA approx	
Operating Conditions	0 to 40°C, RH 95%			
Weight	2.5 Kg. approx.		3Kg approx.	
Dimensions (mm)	W 196, H80, D262		W 212, H 114, D 283	
Included Accessories	Operating Manual, BNC-BNC Cable 1No.			

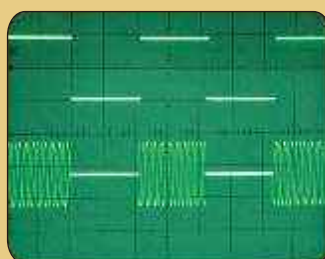
PWM



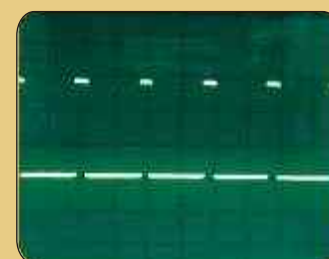
FSK



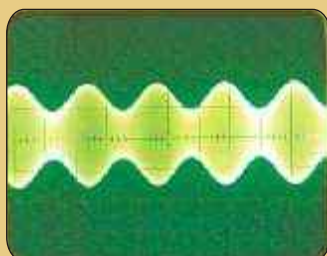
ASK



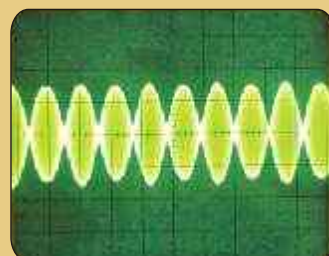
Pulse Out



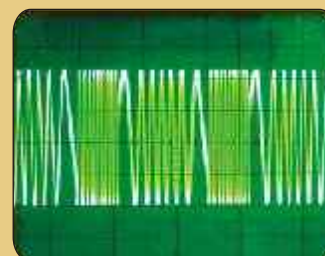
AM Standard



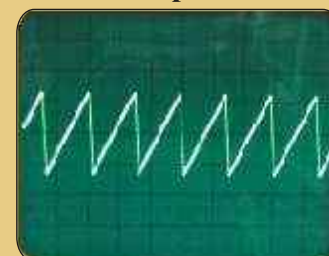
AM Balanced



FM



Ramp Out



subject to change

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