

FUNCTION GENERATOR



FEATURES:

- FREQUENCY : 3 MHz
- OUTPUT WAVEFORMS : SINE, SQUARE, TRIANGLE, SKEWED SINE, SAW TOOTH, RAMP, PULSE, TTL. OUTPUT
- AMPLITUDE : 2mVp-p TO 20 Vp-p (NOLOAD)
- VARIABLE DC OFFSET AND SYMMETRY CONTROL
- DIGITAL DISPLAY (COUNTER) FOR OUTPUT FREQUENCY
- COARSE AND FINE FREQUENCY CONTROL
- SWEEP OUTPUT WITH WIDTH AND RATE CONTROL
- EXTERNAL VCF/FM INPUT

FREQUENCY RANGE: TUNING RANGE: VCF INPUT:	.3 Hz TO 3 MHz IN 6 DECADE RANGES EACH RANGE PROVIDES 10:1 FREQUENCY CONTROL 0 TO 10 V (DC + AC peak) FREQUENCY INCREASES WITH NEGATIVE VOLTAGE. FREQUENCY MAY BE PROGRAMMED WITH DC VOLTAGES, FM -MODULATED WITH AC OR SWEPT WITH RAMP.
OUTPUT WAVEFORMS:	SINE, TRIANGLE, SQUARE, SKEWED SINE, RAMP, SAWTOOTH, PULSE, TTL
VARIABLE SYMMETRY:	VARIABLE OVER 10:1 TO 1:10 INDEPENDENT OF FREQUENCY, CONTROLS ALL OUTPUT WAVEFORMS INCLUDING TTL. ADJUSTS SQUARE WAVE TO RECTANGULAR WAVE OR PULSE WAVE, TRIANGLE WAVE TO RAMP OR SAWTOOTH AND SINE WAVE TO SKEWED SINE WAVE.
DC OFFSET:	CONTINUOUSLY VARIABLE FROM 0 TO ± 10 V (0 TO ± 5 V INTO 50 Ω)
SQUARE WAVE RISE/FALL TIME: SYMMETRY: TTL OUTPUT RISE/FALL TIME:	100 ns AT MAX. OUTPUT $\pm 3\%$ OR LESS (AT MAX. 1 KHz) 25 ns
SINE WAVE DISTORTION: AMPLITUDE FLATNESS:	1% (10 Hz TO 100 KHz) 2dB TO 3 MHz AT MAX OUTPUT
TRIANGLE WAVE LINEARITY:	$\pm 1\%$ OR LESS (10 Hz TO 100 KHz) $\pm 5\%$ OR LESS (100 KHz TO 3MHz)
SWEEP RATE: SWEEP WIDTH: EXTERNAL SWEEP:	CONTINUOUSLY VARIABLE FROM 0.5 Hz (2S) TO 50 Hz (20 mS) VARIABLE FROM 1:1 TO 10:1 VCF INPUT (INPUT IMPEDANCE 10 K Ω)
OUTPUT AMPLITUDE: ATTENUATION: OUTPUT IMPEDANCE:	20 V p-p OPEN CIRCUIT (10 V p-p INTO 50 Ω) 0 TO 20 dB VARIABLE BY AMPLITUDE CONTROL AND 20 dB, 40 dB, 60 dB IN STEPS 50 $\Omega \pm 10\%$
FREQUENCY DISPLAY:	AUTO RANGING. GATE TIME 1 SEC. RESOLUTION: 1Hz. TIME BASE 20.000 MHz. ACCURACY: TIME BASE ERROR ± 1 COUNT
Amplitude DISPLAY:	Amplitude Display is Optional (Will be provided at Extra Cost)

Specifications are subject to Change Due to Continuous Development without any Prior Notes

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