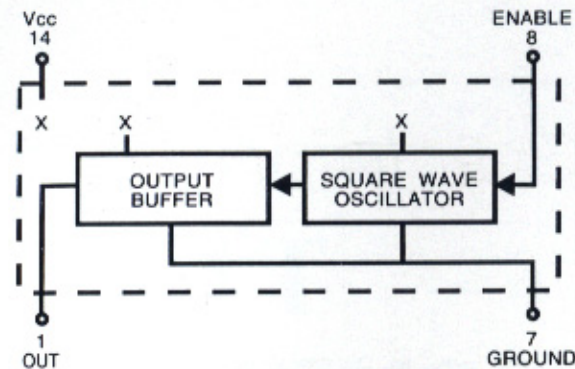
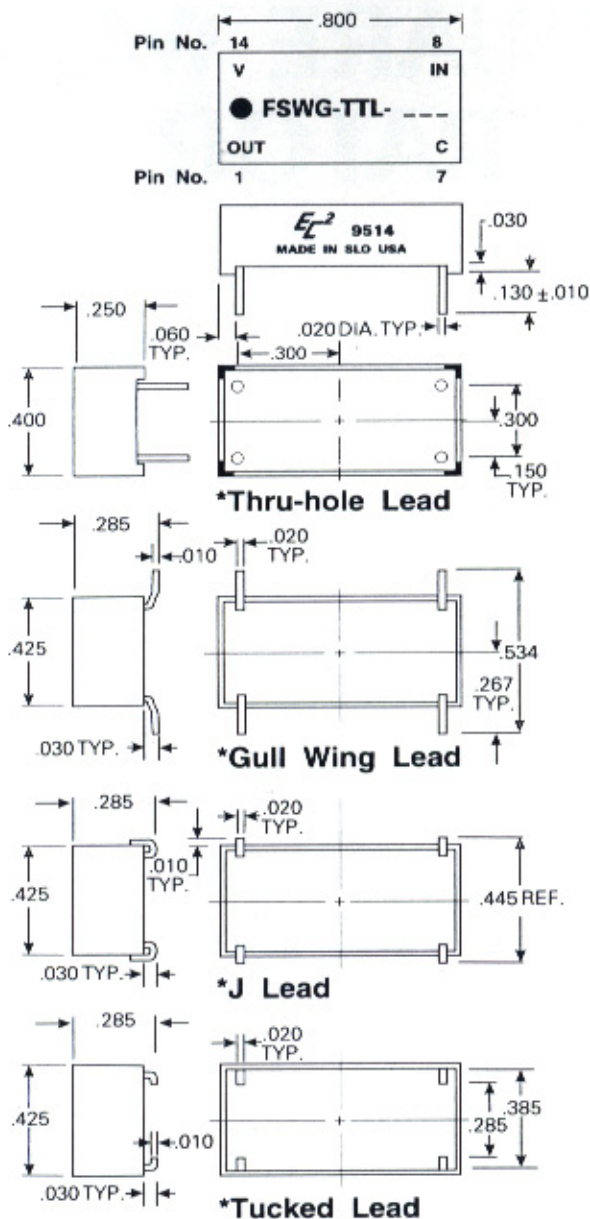


BLOCK DIAGRAM IS SHOWN BELOW



MECHANICAL DETAIL IS SHOWN BELOW



OPERATING SPECIFICATIONS

Vcc supply voltage: 4.75 to 5.25V DC
 Vcc supply current:
 FSWG-TTL-2 20mA typical
 FSWG-TTL-100 30mA typical
 (Current increases with operating frequency)

Logic 1 input:
 Voltage 2V min.; Vcc max.
 Current 2.7V = 20uA max.
 5.5V = 1mA max.

Logic 0 input:
 Voltage8V max.
 Current -6mA max.

Logic 1 Voltage out: 2.7V min.
 Logic 0 Voltage out:5V max.
 Operating temperature range: 0 to 70°C.
 Storage temperature: -55 to +125°C.

Output frequency will increase or decrease less than 1% for a respective increase or decrease of 5% in supply voltage.

PART NUMBER TABLE

*Suffix Part Number with G (for Gull Wing Lead), J (for J Lead), F (for Thru-hole Lead) or T (for Tucked Lead).
 Examples: FSWG-TTL-10G (Gull Wing), FSWG-TTL-25J (J Lead), FSWG-TTL-75F (Thru-hole Lead) or FSWG-TTL-80T (Tucked Lead)

PART NUMBER	OUTPUT FREQUENCY	PART NUMBER	OUTPUT FREQUENCY
FSWG-TTL-2	2.0 MHz	FSWG-TTL-13	13.0 MHz
FSWG-TTL-2.5	2.5 MHz	FSWG-TTL-14	14.0 MHz
FSWG-TTL-3	3.0 MHz	FSWG-TTL-15	15.0 MHz
FSWG-TTL-3.5	3.5 MHz	FSWG-TTL-20	20.0 MHz
FSWG-TTL-4	4.0 MHz	FSWG-TTL-25	25.0 MHz
FSWG-TTL-4.5	4.5 MHz	FSWG-TTL-30	30.0 MHz
FSWG-TTL-5	5.0 MHz	FSWG-TTL-35	35.0 MHz
FSWG-TTL-5.5	5.5 MHz	FSWG-TTL-40	40.0 MHz
FSWG-TTL-6	6.0 MHz	FSWG-TTL-45	45.0 MHz
FSWG-TTL-7	7.0 MHz	FSWG-TTL-50	50.0 MHz
FSWG-TTL-8	8.0 MHz	FSWG-TTL-60	60.0 MHz
FSWG-TTL-9	9.0 MHz	FSWG-TTL-70	70.0 MHz
FSWG-TTL-10	10.0 MHz	FSWG-TTL-80	80.0 MHz
FSWG-TTL-11	11.0 MHz	FSWG-TTL-90	90.0 MHz
FSWG-TTL-12	12.0 MHz	FSWG-TTL-100	100.0 MHz

TEST CONDITIONS

1. All measurements are made at 25°C.
2. Vcc supply voltage is maintained at 5.0V DC.
3. All units are tested using a TTL FAST toggle-type gate driving the input and one FAST T²L load at the output.

Special modules can be readily manufactured to improve accuracies and/or provide customer specified random frequencies for specific applications