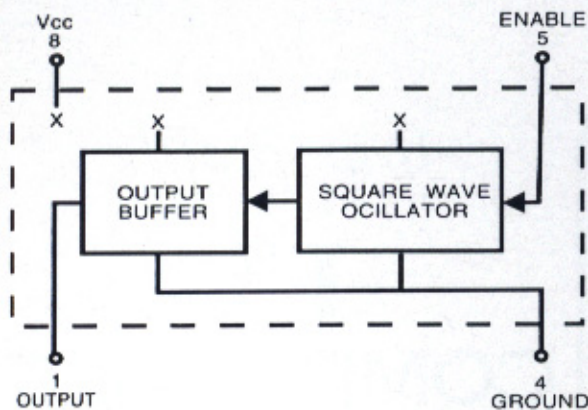
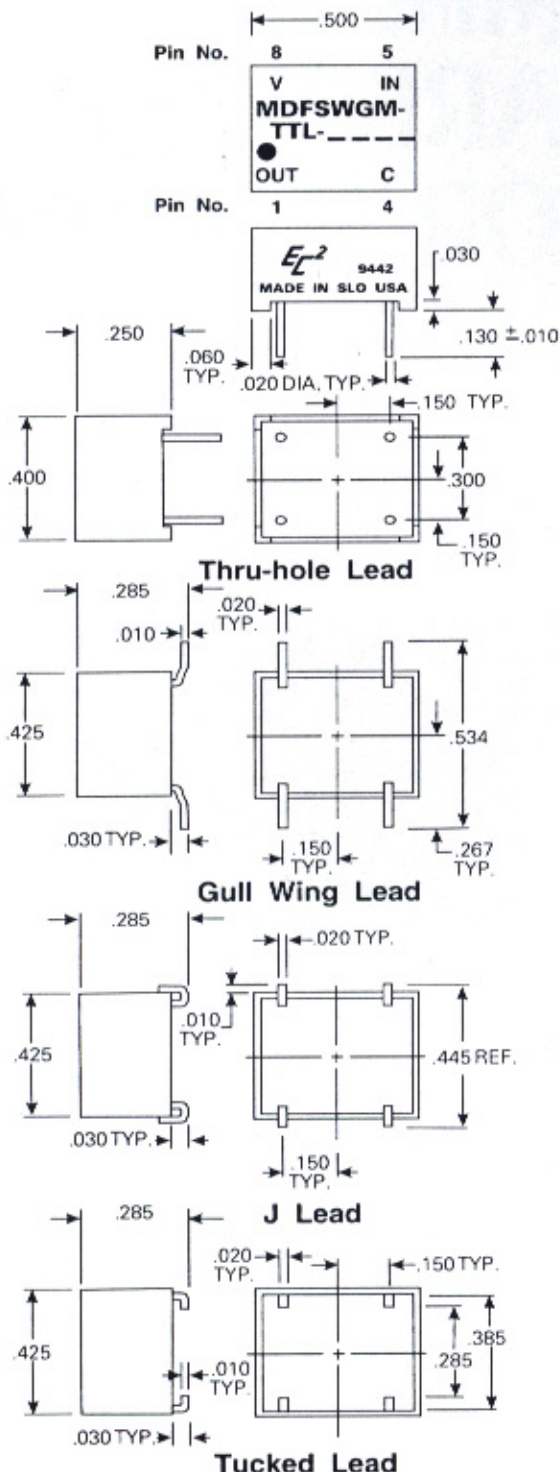


BLOCK DIAGRAM IS SHOWN BELOW



MECHANICAL DETAIL IS SHOWN BELOW



TEST CONDITIONS

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

OPERATING SPECIFICATIONS

- * V_{CC} supply voltage: 4.75 to 5.25V DC
- V_{CC} supply current:
 - MDPSWGM-TTL-2 20mA typical
 - MDPSWGM-TTL-100 30mA typical
 - (Current increases with operating frequency)

- Logic 1 Input:
- Voltage 2V min.; V_{CC} 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: MDPSWGM-TTL-10G (Gull Wing), MDPSWGM-TTL-25J (J Lead), MDPSWGM-TTL-70F (Thru-hole Lead) or MDPSWGM-TTL-100T (Tucked Lead).

PART NUMBER	OUTPUT FREQUENCY	PART NUMBER	OUTPUT FREQUENCY
MDPSWGM-TTL-2	2 MHz	MDPSWGM-TTL-13	13 MHz
MDPSWGM-TTL-2.5	2.5 MHz	MDPSWGM-TTL-14	14 MHz
MDPSWGM-TTL-3	3 MHz	MDPSWGM-TTL-15	15 MHz
MDPSWGM-TTL-3.5	3.5 MHz	MDPSWGM-TTL-20	20 MHz
MDPSWGM-TTL-4	4 MHz	MDPSWGM-TTL-25	25 MHz
MDPSWGM-TTL-4.5	4.5 MHz	MDPSWGM-TTL-30	30 MHz
MDPSWGM-TTL-5	5 MHz	MDPSWGM-TTL-35	35 MHz
MDPSWGM-TTL-5.5	5.5 MHz	MDPSWGM-TTL-40	40 MHz
MDPSWGM-TTL-6	6 MHz	MDPSWGM-TTL-45	45 MHz
MDPSWGM-TTL-7	7 MHz	MDPSWGM-TTL-50	50 MHz
MDPSWGM-TTL-8	8 MHz	MDPSWGM-TTL-60	60 MHz
MDPSWGM-TTL-9	9 MHz	MDPSWGM-TTL-70	70 MHz
MDPSWGM-TTL-10	10 MHz	MDPSWGM-TTL-80	80 MHz
MDPSWGM-TTL-11	11 MHz	MDPSWGM-TTL-90	90 MHz
MDPSWGM-TTL-12	12 MHz	MDPSWGM-TTL-100	100 MHz

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