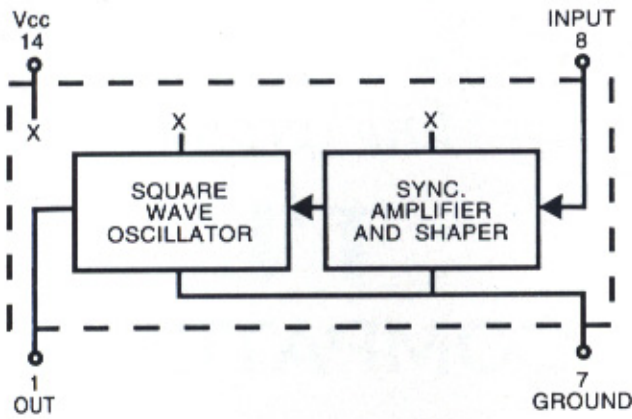
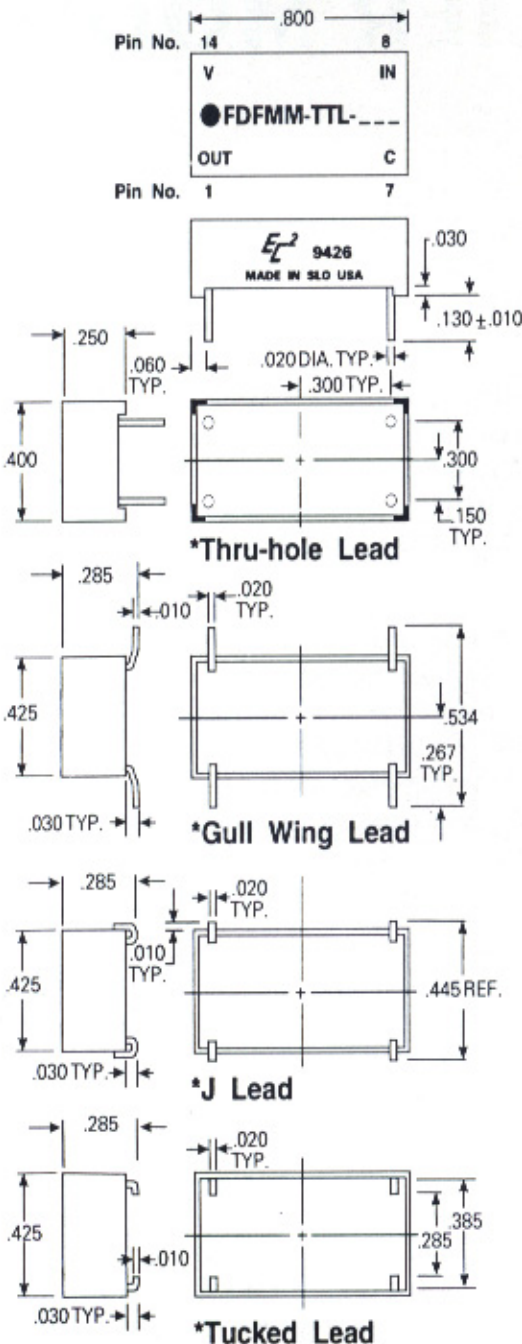


BLOCK DIAGRAM IS SHOWN BELOW



MECHANICAL DETAIL IS SHOWN BELOW



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 positive input pulse with no load at the output.
4. Input is T²L FAST square wave at 20% of output frequency.

OPERATING SPECIFICATIONS

Vcc supply voltage: 4.75 to 5.25V DC
 Vcc supply current:
 FDFMM-TTL-2 30mA typical
 FDFMM-TTL-100 60mA 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.

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: FDFMM-TTL-10G (Gull Wing), FDFMM-TTL-25J (J Lead), FDFMM-TTL-75F (Thru-hole Lead) or FDFMM-TTL-80T (Tucked Lead)

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

Special modules can be readily manufactured to provide customer specified output frequencies for specific applications