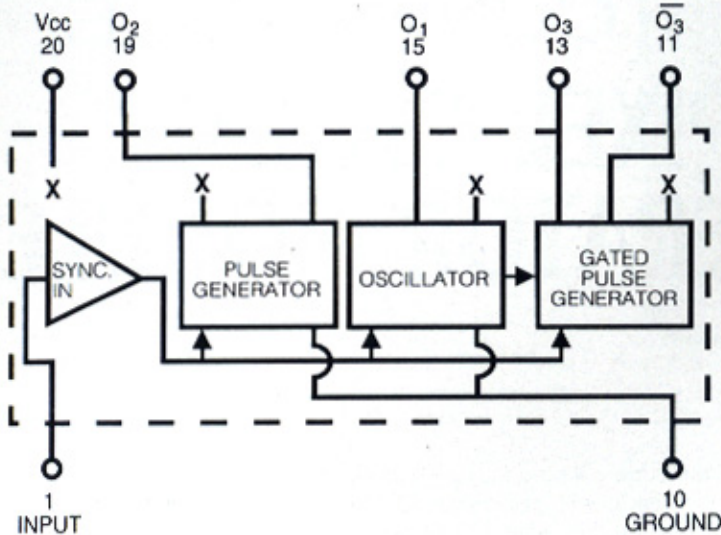


DESIGN NOTES (continued)

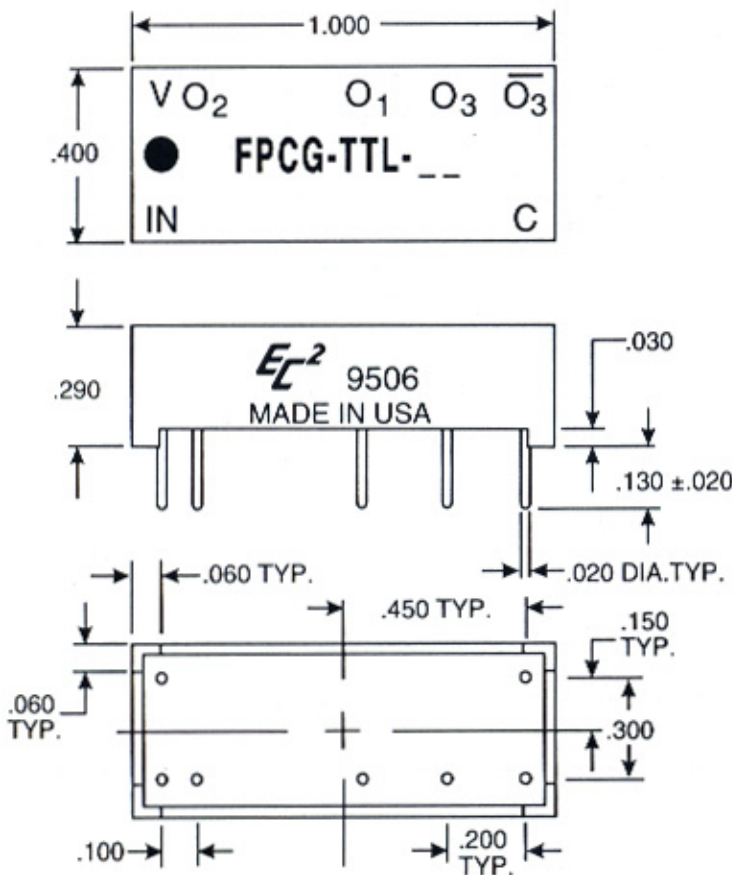
housing provide positive standoff from the printed circuit board to permit solder-fillet formation and flush cleaning of solder-flux residues for improved reliability.

Marking consists of manufacturer's name, logo (EC²), part number, terminal identification and date code of manufacture. All marking is applied by silk screen process using white epoxy paint in accordance with MIL-STD-130, to meet the permanency of identification required by MIL-STD-202, Method 215.

BLOCK DIAGRAM IS SHOWN BELOW



MECHANICAL DETAIL IS SHOWN BELOW



TEST CONDITIONS

- All measurements are made at 25°C.
- V_{CC} supply voltage is maintained at 5.0V DC.
- 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:
 - Constant "0" in 63mA typical
 - Constant "1" in 37mA typical

Logic 1 Input:

- Voltage 2V min.; V_{CC} max.
- Current 2.7V = 60uA max.
5.5V = 3mA max.

Logic 0 Input:

- Voltage8V max.
- Current -1.8mA 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

PART NUMBER	OUTPUT FREQUENCY	PART NUMBER	OUTPUT FREQUENCY
FPCG-TTL-2	2.0 MHz	FPCG-TTL-13	13.0 MHz
FPCG-TTL-2.5	2.5 MHz	FPCG-TTL-14	14.0MHz
FPCG-TTL-3	3.0 MHz	FPCG-TTL-15	15.0 MHz
FPCG-TTL-3.5	3.5 MHz	FPCG-TTL-16	16.0MHz
FPCG-TTL-4	4.0 MHz	FPCG-TTL-17	17.0 MHz
FPCG-TTL-4.5	4.5 MHz	FPCG-TTL-18	18.0 MHz
FPCG-TTL-5	5.0 MHz	FPCG-TTL-19	19.0 MHz
FPCG-TTL-5.5	5.5 MHz	FPCG-TTL-20	20.0 MHz
FPCG-TTL-6	6.0 MHz	FPCG-TTL-21	21.0 MHz
FPCG-TTL-6.5	6.5 MHz	FPCG-TTL-22	22.0 MHz
FPCG-TTL-7	7.0 MHz	FPCG-TTL-23	23.0 MHz
FPCG-TTL-7.5	7.5 MHz	FPCG-TTL-24	24.0 MHz
FPCG-TTL-8	8.0 MHz	FPCG-TTL-25	25.0 MHz
FPCG-TTL-8.5	8.5 MHz	FPCG-TTL-26	26.0 MHz
FPCG-TTL-9	9.0 MHz	FPCG-TTL-27	27.0 MHz
FPCG-TTL-9.5	9.5 MHz	FPCG-TTL-28	28.5 MHz
FPCG-TTL-10	10.0 MHz	FPCG-TTL-29	29.0 MHz
FPCG-TTL-11	11.0 MHz	FPCG-TTL-30	30.0 MHz
FPCG-TTL-12	12.0 MHz		

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