



**SIGNETICS
INTEGRATED CIRCUITS**

Designer's Choice

8800 Series

Signetics 8800 Series
high-speed elements.

**FUNCTIONS AND
CHARACTERISTICS**

MAXIMUM RATINGS

Rating	Value	Unit
Supply Voltage - V_{CC}	6.0	V
Input Voltage - V_{in}	6.0	V
Output Voltage - V_{out}	6.0	V
Operating Temperature - T_A	-55 to +125	°C

PACKAGING AVAILABLE (See page 88):

**C - 14-LEAD DUAL INLINE D - 14-LEAD FLAT PACK
E - 16-LEAD DUAL INLINE**

FUNCTION	TYPE/PKG	TURN-ON DELAY Max/ns	FAN-OUT	POWER CONSUMPTION Avg/Gate/mW
Dual 4-Input Expander Element	8806/C,D	20	—	8
Single 8-Input NAND Gate	8808/C,D	13	20	20
Dual 4-Input NOR Gate	8815/C,D	13	20	43
Dual 4-Input NAND Gate	8816/C,D	13	20	19
Quad 2-Input AND Buffer	8819/C,D	—	—	—
Dual Master-Slave J-K Binary	8821/C,D	50	20	72
Dual Master-Slave J-K Binary	8822/C,D	50	20	72
Dual Master-Slave J-K Binary	8824/E	50	20	72
DC Clocked J-K Binary	8825/C,D	50	20	132
Dual J-K Binary	8826/C,D	35	10	64
Dual High-Speed J-K Binary	8827/C,D	35	10	64
Dual D Binary	8828/C,D	50	20	—
Single-Phase AND Input J-K Binary	8829/C,D	50	20	132
Dual Expandable AND-OR-INVERT Gate	8840/C,D	13	20	37
Expandable AND-OR-INVERT Gate	8848/C,D	13	20	48
Dual 4-Input Driver	8855/C,D	15	60	36
Hex Driver	8859/C,D	—	—	—
Triple 3-Input NAND Gate	8870/C,D	13	20	31
Triple 3-Input NOR Gate	8875/C,D	13	20	43
9-Digit Decoder/Driver	8879/C,D	—	—	—
Quad 2-Input NAND Gate	8880/C,D	13	20	31
Quad 2-Input NAND Gate	8881/C,D	20	20	31
Quad 2-Input NOR Gate	8885/C,D	13	20	37
8-Segment Driver	8889/C,D	—	—	—

TTL