Ordering number: EN 992C

Monolithic Digital IC

NO.992C

LB1276

High-Sensitivity LED Driver Array

The LB1276 is an LED driver array. By connecting this IC to LSI output pins whose output current capacity is small, LEDs can be lighted. It features high sensitivity (I_{IN}=80uAmax.) and I_{OUT}=30mA driving capacity and is ideally suited for driving LED indicators for use in commercial and industrial equipment.

Absolute Maximum Ratings at Ta=25°C

				unit
Output Supply Voltage	V_{OUT}		-0.3 to +18.0	V
Output Current	I_{OUT}	Per unit	30	mA
Input Supply Voltage	V_{IN}		-0.3 to +18.0	V
Pin 8 Flow-out Current	I_8		-210	mA
Allowable Power Dissipation	Pdmax		770	mW
Operating Temperature	Topr		-20 to +80	°C
Storage Temperature	Tstg		-40 to +125	°C

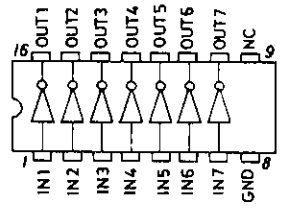
Allowable Operating Conditions at Ta=25°C

				unit
Output Applied Voltage	V_{OUT}		18	**V or less**
Input "H" Level Voltage	V_{IH}	I_{OUT}=30mA	3.5 to 18.0	V
Input "L" Level Voltage	V_{IL}	I_{OUT}<10μA	-0.3 to +0.3	V

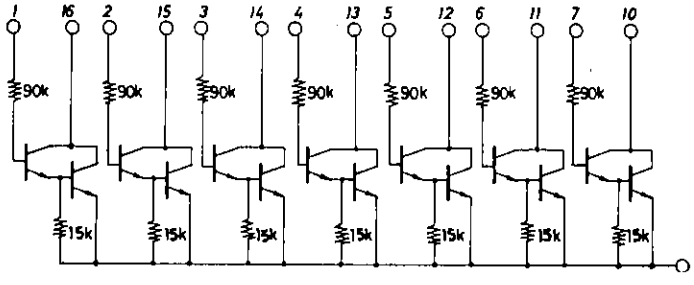
Electrical Characteristics at Ta=25°C

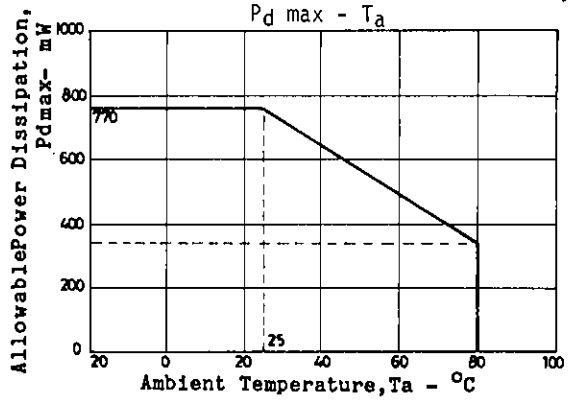
			min	typ	max	unit
Output Voltage	V_{OUT}	V_{IN}=5V, I_{OUT}=30mA			1.2	V
Output Sustain Voltage	$V_{OUT(s)}$	V_{IN}:open, applied time<10μs, I_{OUT}=30mA	18			V
Output Leakage Current	I_{off}	V_{IN}=0.3V, V_{OUT}=18V			10	μA
Input Current	I_{IN}	V_{IN}=5V			80	μA

Equivalent Circuit and Block Diagram

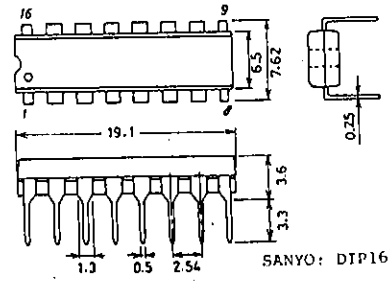


Unit (resistance: Ω)





Package Dimensions 3064-D16TR
(unit : mm)



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