

SANYO

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 ($I_{IN}=80\mu A_{max.}$) 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 $T_a=25^\circ C$

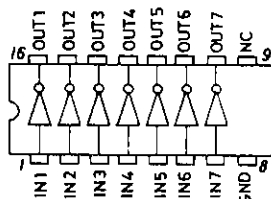
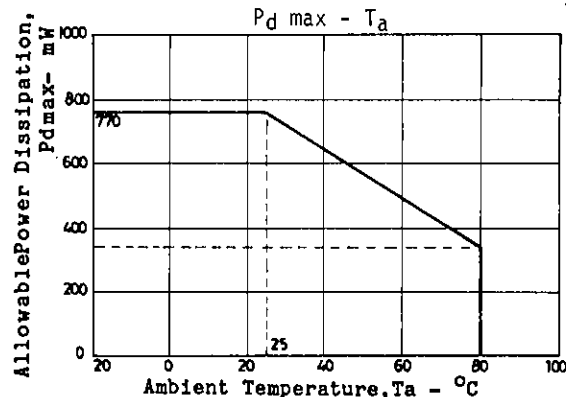
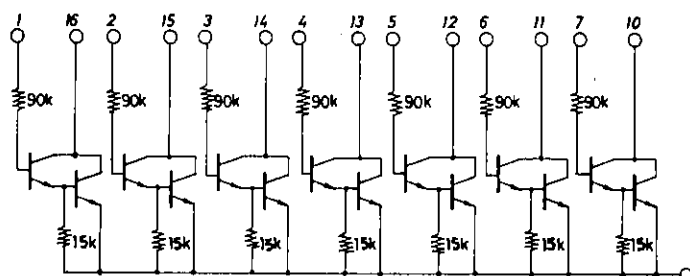
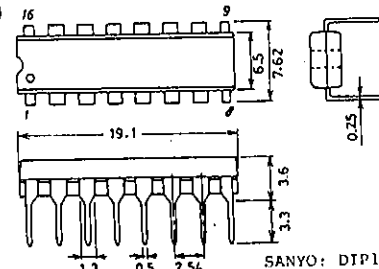
				unit
Output Supply Voltage	V_{OUT}		-0.3 to +18.0	V
Output Current	I_{OUT}	Per unit	30	mA
Input Supply Voltage	V_{IN}		-0.3 to +18.0	V
Pin 8 Flow-out Current	I_8		-210	mA
Allowable Power Dissipation	P_{dmax}		770	mW
Operating Temperature	T_{opr}		-20 to +80	$^\circ C$
Storage Temperature	T_{stg}		-40 to +125	$^\circ C$

Allowable Operating Conditions at $T_a=25^\circ C$

				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}	$I_{OUT}<10\mu A$	-0.3 to +0.3	V

Electrical Characteristics at $T_a=25^\circ C$

			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 $<10\mu s, I_{OUT}=30mA$	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 DiagramUnit (resistance: Ω)**Package Dimensions 3064-D16TR (unit: mm)**

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