

Monolithic Digital IC

<b>SANYO</b>	NO.992C	<b>LB1276</b>
	<b>High-Sensitivity LED Driver Array</b>	

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 Ta=25°C**

			unit
Output Supply Voltage	$V_{OUT}$	-0.3 to +18.0	V
Output Current	$I_{OUT}$	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	°C
Storage Temperature	$T_{stg}$	-40 to +125	°C

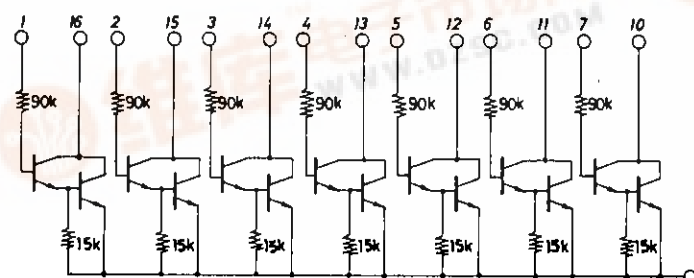
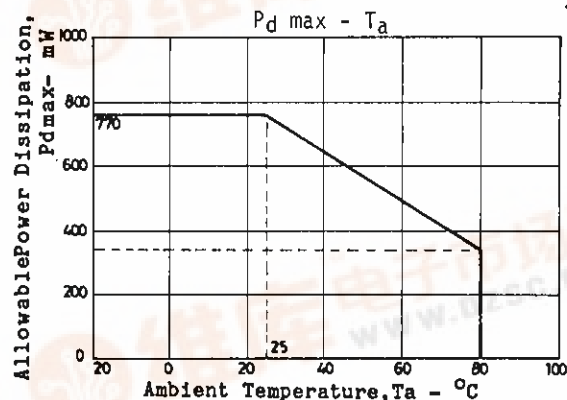
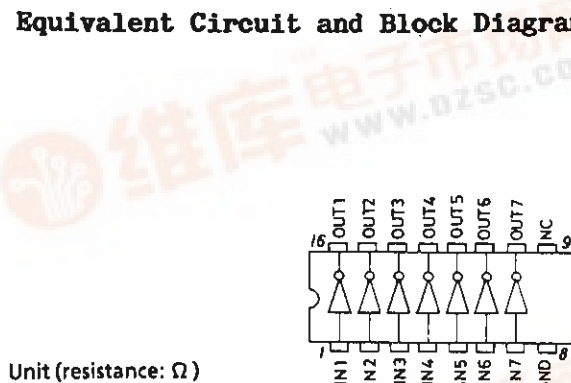
**Allowable Operating Conditions at Ta=25°C**

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

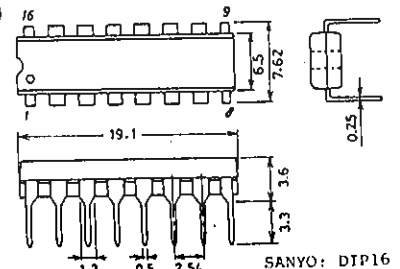
**Electrical Characteristics at Ta=25°C**

			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<10 $\mu s, I_{OUT}=30mA$	18			V
Output Leakage Current	$I_{off}$	$V_{IN}=0.3V, V_{OUT}=18V$			10	$\mu A$
Input Current	$I_{IN}$	$V_{IN}=5V$			80	$\mu A$

**Equivalent Circuit and Block Diagram**



**Package Dimensions 3064-D16TR (unit: mm)**



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