

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 ($I_{\rm IN}$ =80uAmax.) and $I_{\rm OUT}$ =30mA driving capacity and is ideally suited for driving LED indicators for use in commercial and industrial equipment.

Absolute Maximum Ratings at To Output Supply Voltage Output Current Input Supply Voltage Pin 8 Flow-out Current Allowable Power Dissipation Operating Temperature Storage Temperature	VOUT LOUT VIN I8	Per unit	-0.3 to +18.0 30 -0.3 to +18.0 -210 770 -20 to +80 -40 to +125	unit V mA V mA mW OC OC
Allowable Operating Condition Output Applied Voltage Input "H" Level Voltage Input "L" Level Voltage	s at Ta=2 V _{OUT} V _{IH} V _{IL}	5 ^O C I _{OUT} =30mA I _{OUT} <10µA	18 3.5 to 18.0 -0.3 to +0.3	unit Vor less V V
Electrical Characteristics at Output Voltage VOU Output Sustain Voltage VOU Output Leakage Current Iof Input Current IN	$egin{array}{ccc} & V_{ ext{IN}}=rac{1}{2} & V_{ ext{IN}=1} & V_{ ext{IN}=1}=rac{1}{2} & V_{ ext{IN}=1}=rac{1}{2} & V_{ ext{IN}=1}=rac{1}{2} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0} & V_{ ext{IN}=1=0 & V_{ ext{IN}=1=0 & V_{$	5V,I _{OUT} =30mA open,applied <10µs,I _{OUT} =30mA 0.3V,V _{OUT} =18V	min typ	max unit 1.2 V V 10 μΑ 80 μΑ
Equivalent Circuit and Block	,=	AllowablePower Dissipation, Pdmax-mw Research	Pd max - Ta	
Unit (resistance: Ω) Ξ Ξ Ξ Ξ Ξ		o 20 0 Ambient	25 40 60 Temperature, Ta -	80 100 C
\$90x \$90x \$90x \$90x \$90x \$90x \$15x \$15x \$15x	6 // 7 ≥90x ≥90x) (unit : m	Dimensions 3064-	9

SANYO Electric Co., Ltd. Semiconductor Business Headquarters TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

SANYO: DIP16

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