

**SANYO**

NO.2625A

**LB1267M****2-Channel, High-Current,  
Low-Saturation Driver Array****Functions**

- . 2-channel magnet driver

**Features**

- . High current (2.0A max) and low saturation voltage (1.5V)
- . On-chip spark killer diodes

**Absolute Maximum Ratings at Ta=25°C**

			unit
Maximum Supply Voltage	$V_{CC}$ max	8.0	V
Output Supply Voltage	$V_{OUT}$	10.0	V
Input Supply Voltage	$V_{IN}$	12.0	V
Output Current	$I_{OUT1}$ Solenoid drive stage(ch1)	1.0	A
	$I_{OUT2}$ Motor drive stage(ch2)	2.5	A
Spark Killer Diode Forward Current	$I_{FSM1}$ Solenoid drive stage(ch1)	1.0	A
	$I_{FSM2}$ Motor drive stage(ch2)	2.5	A
$V_{CC}$ Instantaneous Flow-out Current	$I_{ccp}$	3.0	A
GND Flow-out Current	$I_{GND}$	3.0	A
Allowable Power Dissipation	$P_d$ max	300	mW
Operating Temperature	$T_{opr}$	-20 to +75	°C
Storage Temperature	$T_{stg}$	-40 to +125	°C

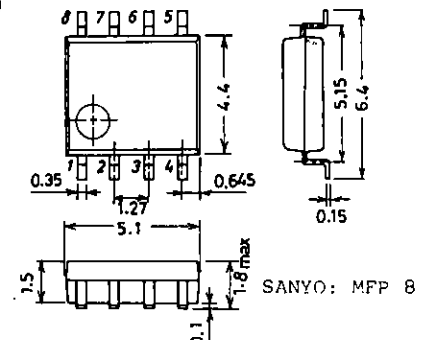
**Allowable Operating Conditions at Ta=25°C**

			unit
Supply Voltage	$V_{CC}$	3.0 to 7.0	V
Input "H"-Level Voltage	$V_{IH}$ $I_{OUT}=300mA$	3.0 to 11.0	V
Input "L"-Level Voltage	$V_{IL}$ $I_{OUT} \leq 100\mu A$	-0.3 to +0.7	V

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

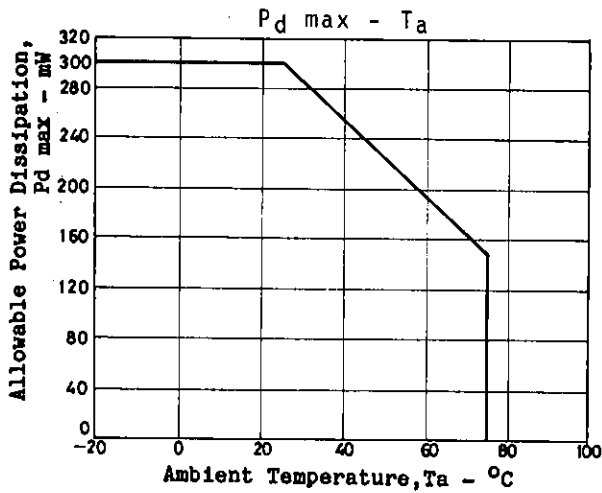
		min	typ	max	unit
Output Voltage	$V_{OH1}$ $V_{IN}=4.5V, V_{CC}=5.0V,$ $I_{OUT}=500mA$ (ch1)			0.65	V
	$V_{OH2}$ $V_{IN}=6.0V, V_{CC}=7.0V,$ $I_{OUT}=1000mA$ (ch1)			1.4	V

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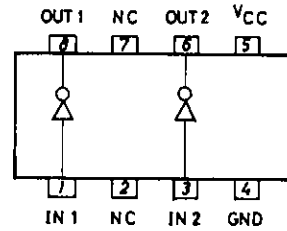
**Package Dimensions 3032B-M8IC**  
(unit : mm)

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			min	typ	max	unit
Output Voltage	$V_{OH3}$	$V_{IN}=3.0V, V_{CC}=3.0V,$ $I_{OUT}=300mA(ch2)$			0.25	V
	$V_{OH4}$	$V_{IN}=4.5V, V_{CC}=5.0V,$ $I_{OUT}=1000mA(ch2)$		0.5	0.7	V
	$V_{OH5}$	$V_{IN}=6.0V, V_{CC}=7.0V,$ $I_{OUT}=2000mA(ch2)$		1.0	1.5	V
Input Current	$I_{IN1}$	$V_{IN}=6.0V(ch1)$			1.0	mA
	$I_{IN2}$	$V_{IN}=6.0V(ch2)$			2.0	mA
	$I_{OFF}$	$V_{IN}=0.5V, V_{OUT}=V_{CC}=6.0V$			30	$\mu A$
Power Source + Output Leakage Current						
Spark Killer Diode Forward Voltage	$V_{F1}$	$I_F=1000mA(ch1)$			3.0	V
	$V_{F2}$	$I_F=2000mA(ch2)$			3.0	V
Output Sustain Voltage	$V_{o(sus)}$	$I_{OUT}=400mA$	10			V

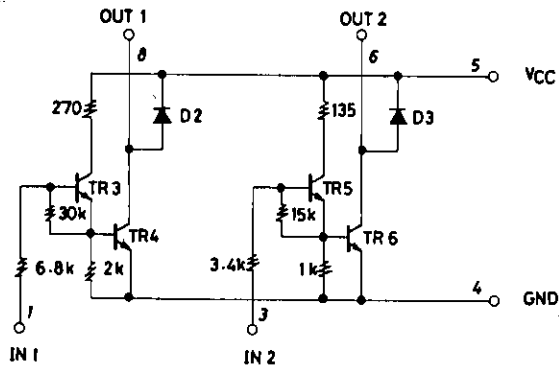


**Pin Assignment**



Note) Do not use NC pin.

**Equivalent Circuit**



Unit (resistance:  $\Omega$ )

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