

NO.1163C

LB1294

6-Channel Driver Array

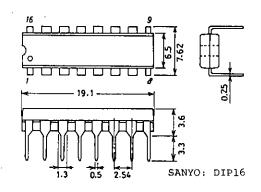
Features

- . 6 independent Darlington drivers
- . High voltage (60V), high output source current (60mA)
- . Ideally suited for interface between different supply voltage systems
- . Wide duty cycle
- . Best applicable to system of 5V supply voltage

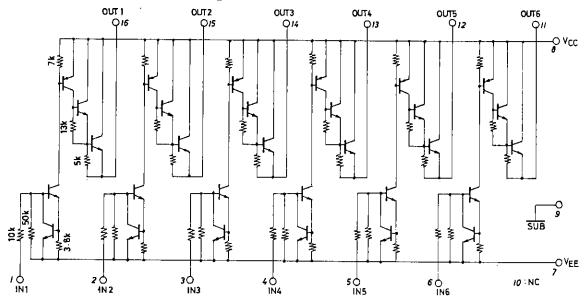
V _{EE} Voltage Range Input Supply Voltage	V _{CC} V _{OUT} V _{EE} V _{IN}	v_{CC} -Sub OUT-Sub v_{EE} - v_{CC} (Sub $\leq v_{EE}$ $\leq v_{CC}$ IN- v_{EE} (v_{IN} $\leq v_{CC}$)	-0.3 to +60 -0.3 to V _{CC}) 0 to 30 0 to 30	V				
Output Current Allowable Power Dissipation	I _{OUT} Pdmax		0 to 60 960	mA mW				
Operating Temperature	Topr		-20 to +75	oc.				
Storage Temperature	Tstg		-40 to +150	oC				
Allowable Operating Conditions at Ta=25°C uni								
Supply Voltage	VCC		4.5 to 60	v				
Input "H"-Level Voltage	VIH	IOUT5-60mA	$V_{\rm EE}$ +2.2 to $V_{\rm EE}$ +30	V				
Input "L"-Level Voltage	V _{IL}	I _{OUT} =-60mA I _{OUT} =-100µA	V_{EE} =0.3 to V_{EE} +0.4	V				
Electrical Characteristics at Ta=25°C, Vsub=-45V, V _{EE} =0V, V _{CC} =15V								
0.4 1.85.34			min typ max	unit				
Output Voltage VOH1		=10V, I _{OUT} =-30mA	V _{CC} -2.0 V _{CC} -1.6	V				
Vou	. V	=10V.I~~~=-60mA	V2 6 V1 0	v				

				b max	W112.0
Output Voltage	V _{OH1}	V _{IN} =10V,I _{OUT} =-30mA	V _{CC} -2.0 V _{CC}	-1.6	V
	$v_{ m OH2}$	$V_{IN} = 10V, I_{OUT} = -60mA$	V _{CC} -2.6 V _{CC}	-1.9	V
Output Leakage Current	IOL	V _{IN} =0.4V, V _{OUT} =-45V	-100		μA
Input Current	I _{IH1}	V _{TN} =10V	0.6 0.	9 1.3	mA
	I _{IH2}	V _{TN} =5V	0.2 0.	4 0.6	mA
	IIL	V _{TN} =0V	- 30		μA
Supply Current	ICCH	Each input V _{IN} =10V		3.0	mA
	ICCL	Each input open		100	μA
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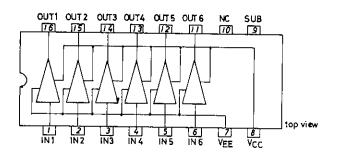
Package Dimensions 3064-D16TR (unit:mm)

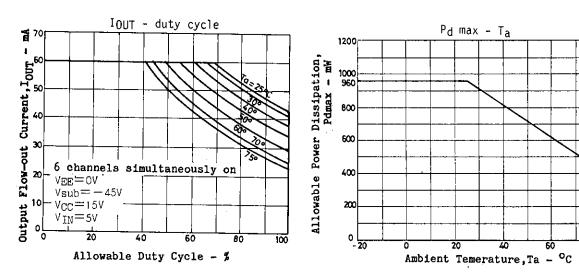


Equivalent Circuit and Pin Assignment



Unit (resistance: Ω)





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