The circuit configuration of this IC is a 6-unit Darlington transistor array consisting of NPN transistors and is ideally suited for use in printer hammer driving, lamp or relay driving applications. With the built-in protective diodes against negative inputs, this IC offers advantages to the driver circuit design of

electronic calculator with printer and cash resister, etc. which also use display tubes.

Features

Ordering number: EN 783C

- Ideally suited for 18-digit printer because of built-in 6 units.
- · With built-in protective diodes against negative inputs.
- Ideally suited for printer mechanism with load current 85 mA.

Absolute Maximum Ratings at Ta=25°C				unit
Output Supply Voltage	Vout		-0.3 to +22	v
Input Supply Voltage	VIN		-40 to +12	V
Pin 8 Supply Voltage	Vcc		-0.3 to +20	v
Output Flow-in Current	Ιουτ	Per unit	100	mA
Instantaneous Output	IOP	Per unit, duty=10%	150	mA
Flow-in Current		Pulse width < 20ms		
Spark Killer Diode Forward Current	IF(S)	"	150	mA
GND Pin Flow-out Current	IGP	"	900 to 0	mA
Pin 8 Instantaneous Flow-out Current	ICCP	**	-900 to 0	mA
Pin 8 Flow-out Current	ICC		-600 to 0	mA
Allowable Power Dissipation	P _d max		770	mA
Operating Temperature	Topr		-20 to +80	°C
Storage Temperature	T _{stg}		-40 to +125	°C
Allowable Operating Conditions at 1	Г _а = 25°С			unit
Output Supply Voltage	∨о∪т		22	V max
Input High Level Voltage	∨ін	Output pin current=10	v	
Input Low Level Voltage	VIL	Output pin current=100µA -35 to +1 V		
Load Inductance	Լլ	Using protective diode	100	mH max

(Continued on next page)



Unit (resistance: Ω)

Package Dimensions 3003A-D14IC (unit : mm)



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

O3095YK/ 7097KI / 8215KI / 7213KI,TS // / 7241KI,TS Na783-1/2

LB1272

perating Characteristics at Ta=25°C			min	typ	max	unit
Output Voltage	VOUT(1)	VIN=3V, IOUT=150mA			1.7	v
	VOUT(2)	VIN=3V, IOUT=100mA			1.4	v
Output Sustain Voltage	VOUT(s)	VIN=open, IOUT=150mA	22			v
		Applied time $< 10 \mu s$				
Output Leakage Current	loff	V _{IN} =1V, V _{out} ≕22V			100	μA
Input Current	IN	V _{IN} =3V			1	mA
Output Current	IOUT	I _{IN} =0.3mA, VOUT=1.4V	100			mA
Input Leakage Current	l _{leak}	VIN=-35V	-10			μA
Spark Killer Diode Leakage	lieak(s)	VOUT=0V, Pin8=20V			30	μA
Current						•
Spark Killer Diode Foward	VF(S)	IF(3)=150mA			1.7	v
Voltage	. (4)	• • •				-





