

TRANSISTOR ARRAY

μ PA67C

MINI PRINTER DRIVER

NPN SILICON EPITAXIAL DARLINGTON TRANSISTOR ARRAY

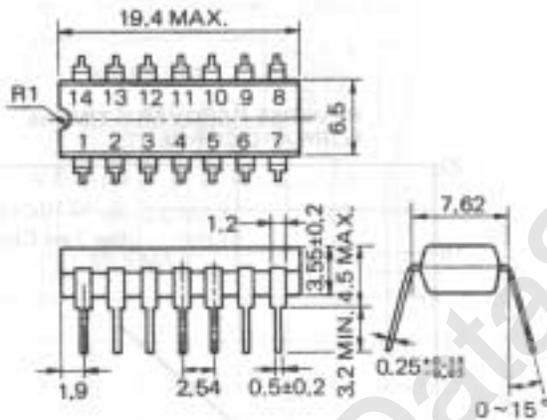
DESCRIPTION

The μ PA67C is a monolithic array of six darlington transistors.

This device is especially suited for driving miniprinter hummer with up to 0.1 A output current per unit.

PACKAGE DIMENSIONS

in millimeters



FEATURES

- High DC Current Gain
- Package is 14 pin PLASTIC DIP.

ABSOLUTE MAXIMUM RATINGS

Maximum Voltages and Currents ($T_a = 25^\circ\text{C}$)

Output Voltage	V_O	30	V
Input Voltage	V_I	-40 to +30	V
Peak Output Current	I_O^{**}	150	mA/unit
Continuous Collector Current	I_O^*	70	mA/unit
Maximum Power Dissipation			
Total Power Dissipation	P_d	550	mW/package
Maximum Temperature			
Operating Temperature	T_{opt}	-25 to +75	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

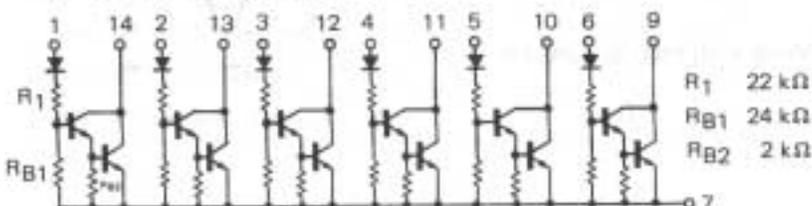
** PW=20 ms, duty cycle $\leq 10\%$ (All units turned on)

* DC (All units turned on)

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Output Leakage Current	I_L			10	μA	$V_{CE}=20\text{ V}, V_I=0$
Output On Current	I_{ON}	100			mA	$V_{IH} \geq 5.0\text{ V}, V_{CE}=2.0\text{ V}$
Output Off Current	I_{OFF}			10	μA	$V_{IL} \leq 1.0\text{ V}, V_{CE}=20\text{ V}$
Input Current	I_I			1.3	mA	$V_I=20\text{ V}, V_{CE}=0$
Input Reverse Current	$I_I(R)$			-10	μA	$V_I=-30\text{ V}, V_{CE}=0$
Low Level Output Voltage	V_{OL}			1.3	V	$V_I=13\text{ V}, I_O=100\text{ mA}$

EQUIVALENT CIRCUIT



CONNECTION DIAGRAM (Top View)

