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NTE2082 Integrated Circuit 6-Stage Darlington Transistor Array

Features:

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

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Output Supply Voltage, V_{OUT}	-0.3V to +22V
Input Supply Voltage, V_{IN}	-40V to +12V
Pin 8 Supply Voltage, V_{CC}	-0.3V to +20V
Output Flow-In Current (Per Unit), I_{OUT}	100mA
Instantaneous Output Flow-In Current (Note 1), I_{OP}	150mA
Spark Killer Diode Forward Current (Note 1), $I_{F(S)}$	150mA
GND Pin Flow-Out Current (Note 1), I_{GP}	-900mA to 0mA
Pin 8 Instantaneous Flow-Out Current (Note 1), I_{CCP}	-900mA to 0mA
Pin 8 Flow-Out Current, I_{CC}	-600mA to 0mA
Allowable Power Dissipation, P_{Dmax}	770mA
Operating Temperature Range, T_{opr}	-20° to +80°C
Storage Temperature Range, T_{stg}	-40° to +125°C

Note 1. Per Unit, Duty = 10% Pulse Width < 20ms

Allowable Operating Conditions: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Supply Voltage	V_{OUT}		-	-	22	V
Input High Level Voltage	V_{IH}	Output Pin Current = 100mA	3 to 12			V
Input Low Level Voltage	V_{IL}	Output Pin Current = 100µA	-35 to +1			V
Load Inductance	L_L	Using Protective Diode	-	-	100	mH

