



## **NTE2554 (NPN) & NTE2555 (PNP)** **Silicon Complementary Transistors** **Darlington Driver**

### **Applications:**

- Industrial Equipment
- Printers
- Typewriters
- Sewing Machines
- Recorders
- Computers
- Igniters
- Car Coolers
- Projectors
- Players
- Stereos
- Home Appliances
- Audio Equipment
- ECRs

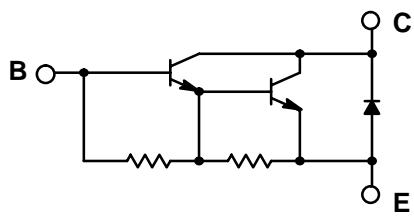
### **Absolute Maximum Ratings:** ( $T_A = +25^\circ\text{C}$ unless otherwise specified)

Collector–Base Voltage, $V_{CBO}$ .....	70V
Collector–Emitter Voltage, $V_{CEO}$ .....	60V
Emitter–Base Voltage, $V_{EBO}$ .....	6V
Collector Current, $I_C$ .....	7A
Collector Power Dissipation ( $T_C = +25^\circ\text{C}$ ), $P_C$ .....	35W
Operating Junction Temperature, $T_J$ .....	+150°C
Storage Temperature Range, $T_{stg}$ .....	–55° to +150°C

### **Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
DC Current Gain	$h_{FE}$	$V_{CE} = 2\text{V}$ , $I_C = 3.5\text{A}$	2000	–	–	
Collector–Emitter Saturation Voltage	$V_{CE(\text{sat})}$	$I_C = 3.5\text{A}$ , $I_B = 7\text{mA}$	–	–	1.5	V
Transition Frequency	$f_T$		–	20	–	MHz

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