



**ELECTRONICS, INC.**  
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## NTE226 Germanium PNP Transistor Audio Power Amp

**Description:**

The NTE226 is a Germanium PNP transistor in a TO66 type package designed for high-fidelity, high-power output applications.

**Absolute Maximum Ratings:**

Collector-Base Voltage,  $V_{CBO}$  ..... 35V  
 Collector-Emitter Voltage ( $R_{BE} = 100\Omega$ ),  $V_{CER}$  ..... 35V  
 Emitter-Base Voltage,  $V_{EBO}$  ..... 6V  
 Collector Current,  $I_C$  ..... 2A  
 Power Dissipation ( $T_C = +25^\circ\text{C}$ ),  $P_C$  ..... 12W  
 Operating Junction Temperature,  $T_J$  .....  $+85^\circ\text{C}$   
 Storage Temperature Range,  $T_{stg}$  .....  $-55^\circ$  to  $+85^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = 25V, I_E = 0$	-	-	200	$\mu\text{A}$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB} = 6V, I_C = 0$	-	-	200	$\mu\text{A}$
DC Current Gain	$h_{FE}$	$V_{CE} = 1.5V, I_C = 200\text{mA}$	50	100	275	
Small-Signal Current Gain Resistance	$f_{ob}$	$V_{CE} = 1.5V, I_C = 200\text{mA}$	-	0.7	-	MHz
Base Spreading Resistance	$r_{bb}$	$V_{CE} = 1.5V, I_C = 200\text{mA}, f = 6\text{MHz}$	-	15	-	$\Omega$

