



ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748-5089
<http://www.nteinc.com>

NTE121

Germanium PNP Transistor

Audio Frequency Power Amplifier

Description:

The NTE121 is a Germanium PNP Alloy Junction transistor in a TO3 type package designed as an audio frequency power output amplifier.

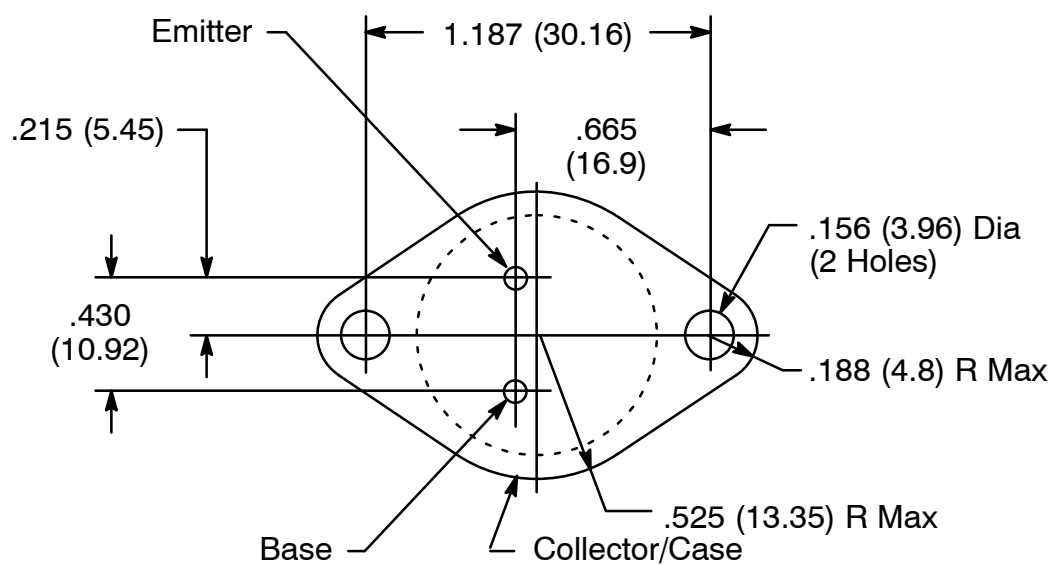
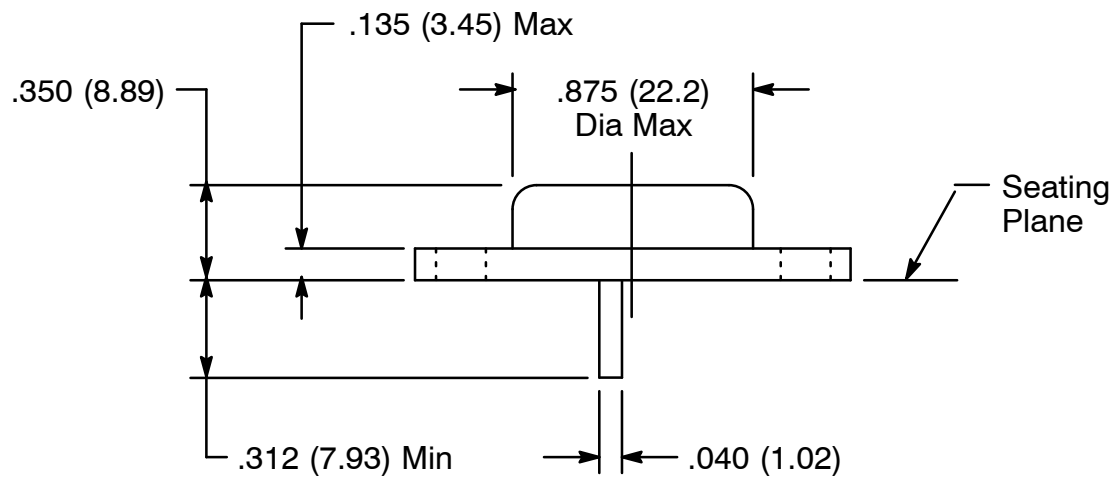
Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Collector-Base Voltage, V_{CBO}	60V
Collector-Emitter Voltage ($R_{BE} = 68\Omega$), V_{CER}	45V
Emitter-Base Voltage, V_{EBO}	10V
Collector Current, I_C	10A
Emitter Current, I_E	10A
Base Current, I_B	3A
Power Dissipation ($T_C \leq +55^\circ\text{C}$), P_D	90W
Operating Junction Temperature, T_J	$+100^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+100^\circ\text{C}$

Note 1. Matched pairs are available upon request (NTE121MP). Matched pairs have their gain specification (h_{FE}) matched to within 10% of each other.

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Emitter Breakdown Voltage	$V_{(BR)CER}$	$I_{C(peak)} = -0.6A$, $R_{BE} = 68\Omega$	45	–	–	V
Collector Cutoff Current	I_{CBO}	$V_{CB} = 30V$, $I_E = 0$	–	–	0.5	mA
DC Current Gain	h_{FE}	$V_{CE} = 2V$, $I_C = 1A$	50	90	165	
Base-Emitter Input Voltage	V_{BE}	$V_{CE} = 2V$, $I_C = 1A$	–	0.38	–	V
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 10A$, $I_B = 1A$	–	0.3	–	V
Transition Frequency	f_T	$V_{CB} = 2V$, $I_E = 1A$	–	300	–	kHz



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [nte](#) manufacturer:

Other Similar products are found below :

[747](#) [797](#) [868](#) [1724](#) [NEH680M50FE](#) [NEHH1.0M450CB](#) [NTE48](#) [NTE526A](#) [228A](#) [231](#) [954](#) [2023](#) [510](#) [R04-11A30-120](#) [04-SLPE3750A](#)
[5615](#) [591](#) [7056](#) [NTE5710](#) [7448](#) [NEH.10M50AA](#) [NEH2.2M63AA](#) [NEH330M35DD](#) [NEH33M10AA](#) [NEV.22M100AA](#) [TP0006-100](#)
[NTE182](#) [NTE528](#) [NTE542](#) [NTE74154](#) [04-SCBW25L-BK](#) [04-SCBW32L-BK](#) [04-SCW10C-BK](#) [04-SCBW19L-GR](#) [04-SCW19L-WH](#) [04-](#)
[SCW19L-OR](#) [04-SCW38L-WH](#) [04-SCBW50L-OR](#) [04-SCBW50L-GR](#) [04-SCW10C-GR](#) [04-SCW10C-OR](#) [04-SCBW32L-GR](#) [04-SCBW32L-](#)
[WH](#) [04-SCBW32L-OR](#) [04-SCBW6C-WH](#) [04-SCBW6C-GR](#) [04-SCBW6C-OR](#) [04-SCBW25L-GR](#) [04-SCBW25L-WH](#) [04-ESNF-500L](#)