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NTE2576 (NPN) & NTE2577 (PNP) Silicon Complementary Transistors Audio Output Driver TO-220 Full Pack

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

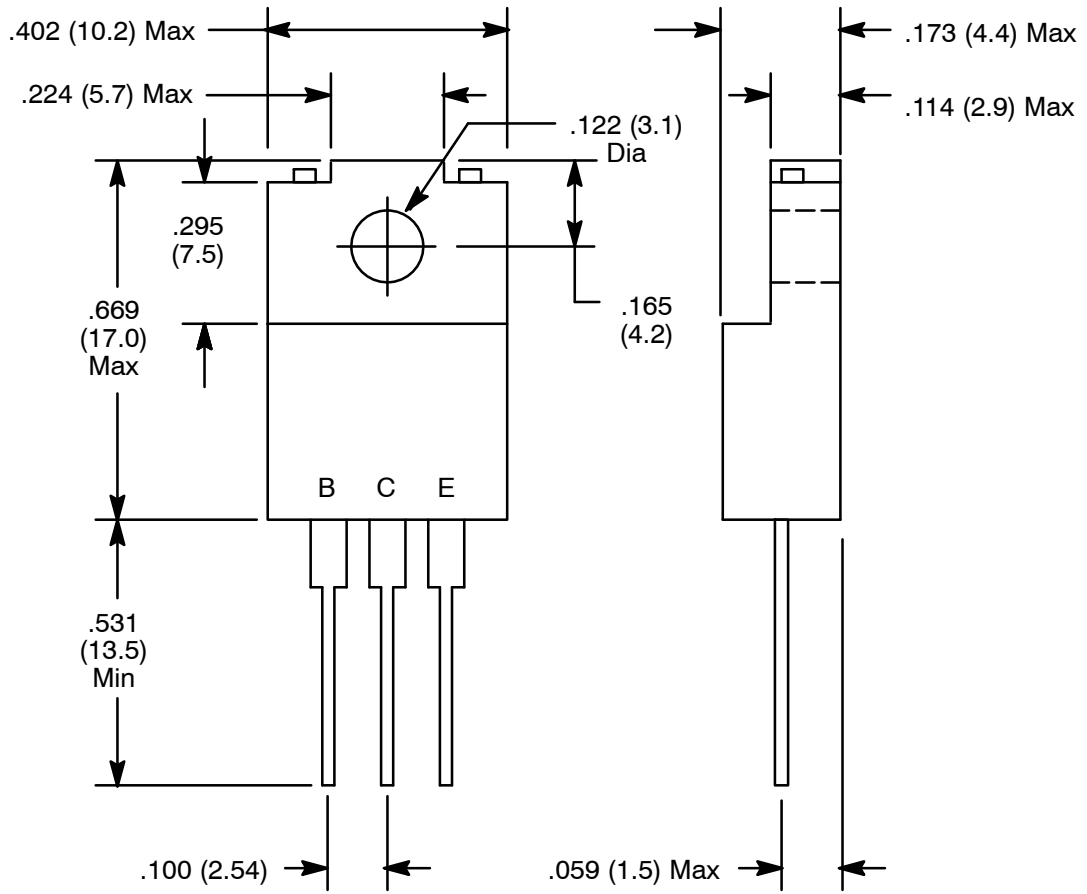
Collector-Base Voltage, V_{CBO}	200V
Collector-Emitter Voltage, V_{CEO}	200V
Emitter-Base Voltage, V_{EBO}	6V
Collector Current, I_C	2A
Base Current, I_B	1A
Power Dissipation ($T_C = +25^\circ\text{C}$), P_C	20W
Operating Junction Temperature, T_J	+150°C
Storage Temperature Range, T_{stg}	-55° to +150°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cutoff Current	I_{CBO}	$V_{CB} = 180V$	-	-	10	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB} = 6V$	-	-	10	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = 10\text{mA}$	180	-	-	V
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 700\text{mA}$	60	-	240	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 700\text{mA}, I_B = 70\text{mA}$	-	-	1.0	V
Transition Frequency	f_T	$V_{CE} = 12V, I_E = 700\text{mA}$	-	60	-	MHz
Output Capacitance	C_{ob}	$V_{CB} = 10V, f = 1\text{MHz}$	-	30	-	pF

Rev. 11-23





NOTE: Tab is isolated