

NTE1016 Integrated Circuit AF Small-Signal Amplifier for Tape Recorder

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

Maximum Supply Voltage, $V_{CC\text{max}}$	20V
Maximum Supply Current, $I_{CC\text{max}}$	20mA
Maximum Power Dissipation, $P_{d\text{max}}$	300mW
Operating Temperature Range, T_{opr}	-20° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-20° to $+100^\circ\text{C}$

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

Supply Voltage, V_{CC}	15V
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Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 15\text{V}$, $V_{in} = 2\text{mV}$, $f = 1\text{kHz}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Voltage	V_O		0.42	—	0.90	V
Distortion	KF		—	—	3.0	%

