



**ELECTRONICS, INC.**  
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## 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, $V_{CCmax}$ .....	20V
Maximum Supply Current, $I_{CCmax}$ .....	20mA
Maximum Power Dissipation, $P_{dmax}$ .....	300mW
Operating Temperature Range, $T_{opr}$ .....	$-20^\circ$ to $+80^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-20^\circ$ 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	%

