



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

## NTE1152 Integrated Circuit Hybrid, AF Preamp

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

Supply Voltage, .....	25V
Operating Current .....	12mA
Power Dissipation .....	150mW
Supply Voltage .....	$15.5\text{V} \pm 1.5\text{V}$
Storage Temperature Range .....	$-20$ to $+100^\circ\text{C}$

**Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$ ,  $V_{CC} = 15.5\text{V}$ ,  $f = 1\text{kHz}$ ,  $R_g = 600\Omega$  unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Voltage Gain	$V_G$		-	75	-	dB
Distortion	KF	$V_O = 1\text{V}$	-	-	0.2	%
Output Voltage	$V_O$	KF = 0.5%	2	-	-	V
		KF = 3.0%	3	-	-	V
Input Resistance	$r_i$		50	-	-	k $\Omega$
Noise Voltage	$V_{NO}$	$R_g = 600\Omega$	-	4.5	-	mV

**Pin Connection Diagram**



