

NTE1795 Integrated Circuit RMS Level Sensor for dbx Noise Reduction System

Features:

- Wide Operating Supply Voltage
- Excellent Linearity Control Constant
- Wider Input Range

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

Supply Voltage, V_{CC} , V_{EE}	15V
Supply Current, I_{CC}	30mA
Power Dissipation ($T_A = +75^\circ\text{C}$), P_D	330mW
Operating Temperature Range, T_{opr}	-20° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to 125°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = +12\text{V}$, $V_{EE} = -12\text{V}$, $f = 1\text{kHz}$, $Z_{in} = 33\text{k}\Omega$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Current	I_{CC}	Non Signal	–	0.9	2.0	mA
Output Level	V_O	$V_{IN} = 0\text{dBV}$	111	136	161	mV
Control Constant	V_C	$v_{in} = -40\text{dBV}$ to $+10\text{dBV}$	5.8	5.9	6.1	mV/dB

Pin Connection Diagram
(Front View)



