



**ELECTRONICS, INC.**  
 44 FARRAND STREET  
 BLOOMFIELD, NJ 07003  
 (973) 748-5089

## NTE1615 Integrated Circuit B/W TV Tuner Bandswitch Circuit

**Description:**

The NTE1615 is an integrated circuit in a 9-Lead SIP type package designed for use as a B/W TV tuner bandswitch circuit.

**Features:**

- Continuous VHF Band Tuning without High and Low Band Switching Operation
- Low Drain Current from Tuning Reference Voltage Supply
- High Breakdown Voltage Process

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

Supply Voltage, $V_{CC}$ .....	36V
Supply Current, $I_1$ .....	-10mA
Supply Current, $I_6$ .....	-25mA
Supply Current, $I_8$ .....	-10mA
Supply Current, $I_2$ .....	+20mA
Power Dissipation, $P_D$ .....	300mW
Operating Ambient Temperature Range, $T_{opr}$ .....	-20° to +70°C
Storage Temperature Range, $T_{stg}$ .....	-40° to +150°C

Note 1. + and - are flow-in and flow-out current to/from the circuit respectively.

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Circuit Current	$I_9$	$V_3 = 16V$	1.0	1.5	2.0	mA
	$I_4$	$V_3 = 16V$	11	14	17	mA
Circuit Voltage	$V_{9-1}$	$V_3 = 14V$	-	-	1.5	v
	$V_{9-8}$	$V_3 = 14V$	-	-	1.5	v
	$V_{2-5}$	$V_3 = 16V$	-	-	0.3	v
	$V_{4-6}$	$V_3 = 16V$	-	-	1.2	V

**Pin Connection Diagram**  
(Front View)

