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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)

