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NTE1715 Integrated Circuit 8-Circuit Display Driver

Description:

The NTE1715 is an integrated circuit in an 18-Lead DIP type package designed for high-breakdown fluorescent display tube drive.

Features:

- Built-In 8 Circuits
- Output Incorporating Pull-Down Resistor for Direct Fluorescent Display Tube Drive
- Direct Input for CMOS or TTL

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

Supply Voltage, V_{EE} -55V
 Supply Current, I_{CC} -45mA
 Power Dissipation, P_D 500mW
 Operating Ambient Temperature Range, T_{opr} -30° to $+75^\circ\text{C}$

Electrical Characteristics: ($V_{EE} = -50\text{V}$, $T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
High-Level Input Voltage	V_{IH}	$V_O \leq -45\text{V}$	-1.5	-	-	V
Low-Level Input Voltage	V_{IL}	$V_O \geq -3\text{V}$	-	-	-4	V
High-Level Input Current	I_{IH}	$V_I = -1.5\text{V}$	-280	-70	-	μA
Low-Level Input Current	I_{IL}	$V_I = -4\text{V}$	-1.2	-0.25	-	mA
		$V_I = -7\text{V}$	-2.6	-0.6	-	mA
High-Level Output Voltage	V_{OH}	$V_I = -4\text{V}$, $I_O = -40\text{mA}$	-3.0	-1.5	-	V
Low-Level Output Voltage	V_{OL}	$V_I = -1.5\text{V}$, $I_O = 0\text{mA}$	-	-49.9	-45.0	V
Supply Current	$I_{CC(OFF)}$	$V_I = -1.5\text{V}$	-	-	1.3	mA
	$I_{CC(ON)}$	$V_I = -4\text{V}$	-	-	12	mA

Pin Connection Diagram

