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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,  $T_{opr}$  .....  $-30^\circ$  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	-	$\mu\text{A}$
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

