



**ELECTRONICS, INC.**  
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## NTE1164 Integrated Circuit TV Video Signal Processing Circuit

**Features:**

- DC Controlled Adjustment
- Sync. Separator (Including Noise Canceller)
- Pedestal Clamping (Including Clamping Pulse Generator)
- Brightness Control
- Blanking Circuits

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

Supply Voltage, $V_{16-2}$ .....	14.4V
Circuit Voltage,	
$V_{1-2}$ .....	1V to -3V
$V_3, V_7, V_{10}, V_{15-2}$ .....	$V_{16-2}$ to 0V
$V_{4-2}, V_{14-2}$ .....	6V to 0V
$V_{5-2}$ .....	9V to -3V
$V_{8-2}$ .....	$V_{16-2}$ to 5V
Circuit Current,	
$I_1, I_8, I_{10}, I_{14}$ .....	1mA to 0mA
$I_3$ .....	5mA to -3mA
$I_5$ .....	3mA to -0.5mA
$I_6$ .....	0 to -1mA
$I_7, I_{15}$ .....	0 to -1mA
$I_9$ .....	0.1mA to -3mA
$I_{11}$ .....	1mA to -1mA
$I_{12}$ .....	5mA to -2mA
$I_{13}$ .....	3mA to -5mA
Total Circuit Current, $I_{tot}$ .....	36mA
Power Dissipation, $P_D$ .....	520mW
Operating Temperature Range, $T_{opr}$ .....	-20° to +70°C
Storage Temperature Range, $T_{stg}$ .....	-40° to +150°C

### Pin Connection Diagram

