

# LINEAR INTEGRATED CIRCUITS

**NTE1934X** TO3P, See Diag. 59c  
Positive Voltage Regulator

$V_{IN}$   
 $V_{OUT}/Case$   
GND

**NTE1942** 5-Lead TO220, See Diag. 205  
Positive Voltage Regulator,  
Adjustable

$V_{IN}$   $V_{OUT}$   
Limiting Reference  
GND

**NTE1960 NTE1962,** TO220, See Diag. 560c  
**NTE1964, NTE1966, NTE1968,**  
**NTE1970, NTE1972, NTE1974,**  
**NTE1976,** Positive Voltage Regulator,  
Isolated Tab

$V_{IN}$   
GND  
 $V_{OUT}$

**NTE1961, NTE1963,** TO220, See Diag. 560d  
**NTE1965, NTE1971, NTE1973,**  
**NTE1975**  
Negative Voltage Regulator,  
Isolated Tab

GND  
 $V_{IN}$   
 $V_{OUT}$

**NTE2000** 16 + 2-Lead DIP, See Diag. 315  
Dolby® B Type Noise Reduction System,  
 $V_{CC} = 16V$

$V_{CC}$  17  
Bias Supply 1 16 Bias Bypass  
Input 2 15 Input  
Rectifier Switch 3 14 Rectifier Output  
Dolby® ON/OFF Sw 4 13 Dolby® ON/OFF Sw  
Emphasis/  
De-Emphasis Switch 5 12 Emphasis/  
To Rectifier Input 6 11 To Rectifier Input  
Stage Bypass 7 10 Stage Bypass  
Output 8 9 Output  
GND 18

**NTE2001** 16-Lead DIP, See Diag. 249  
Dolby® B Type Noise Reduction System,  
 $V_{CC} = 24V$

Input 1 16  $V_{CC}$   
Input 2 15 Bypass  
Output 3 14 Bypass  
Reference 4 13 Reference  
Input 5 12 Input  
Output 6 11 Output  
Output 7 10 Bypass  
Bypass 8 9 GND

**NTE2003** 16-Lead DIP, See Diag. 338  
Dolby® Noise Reduction Processor,  
 $V_{CC} = 24V$

Variable Impedance Input 1 16  $V_{CC}$   
Amp B Input 2 15 Variable Impedance Control  
Amp B Output 3 14 Rectifier Output  
Bias 4 13 Rectifier Bias  
Amp A Input 5 12 Rectifier Input  
Amp A Output 6 11 Amp D Output  
Amp  $\Sigma$  Output 7 10 Amp D Feedback Decoupling  
Decoupling 8 9 GND

**NTE2004** 16-Lead DIP, See Diag. 249  
Dolby® Noise Reduction System,  
 $V_{CC} = 24V$

C Input 1 16  $V_{CC}$   
B Input 2 15 F Control  
B Output 3 14 G Output  
Reference 4 13  
A Input 5 12 D Input  
A Output 6 11 C Output  
 $\Sigma$  Output 7 10 D Filter  
8 9 GND

Blank area for diagrams.

See Diagrams, beginning on Page 1-227