



ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748-5089

NTE836

Linear Integrated Circuit

TV Horizontal Processor

Description:

The NTE836 is a TV Horizontal Processor in an 8-Lead DIP type package that includes a phase detector, oscillator and pre-driver. This device is designed for use in all types of television receivers that have negative flyback inputs.

Features:

- Internal Shunt Regulator
- Preset Hold Control Capability
- $\pm 300\text{Hz}$ Typical Pull-In
- Linear Balanced Phase Detector
- Variable Output Duty Cycle for Driving Tube or Transistor
- Low Thermal Frequency Drift
- Small Static Phase Error
- Adjustable DC Loop Gain
- Negative Flyback Inputs

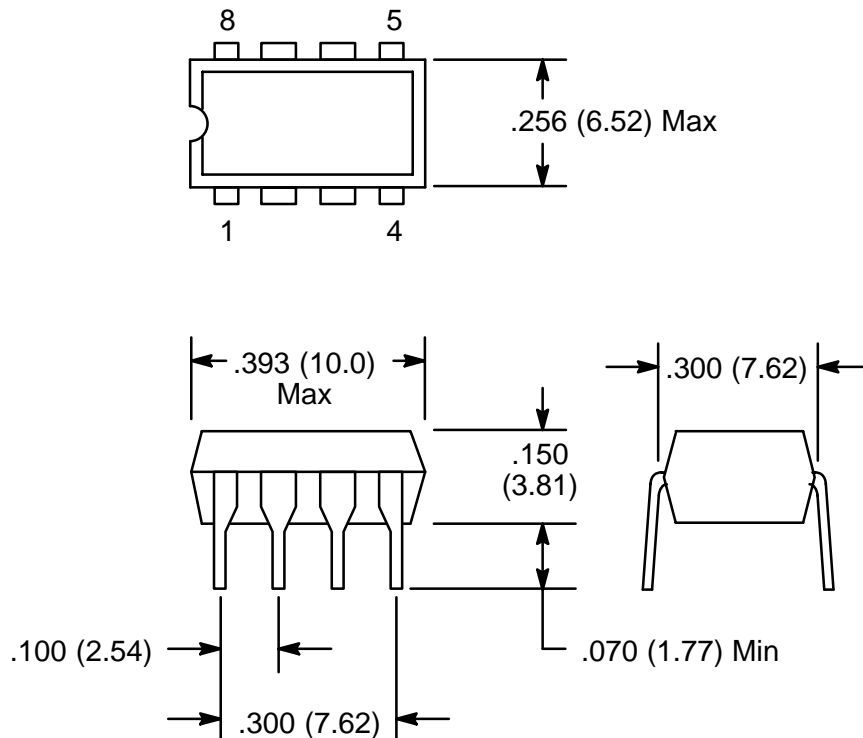
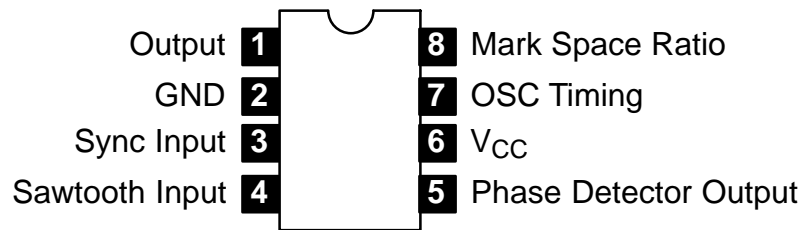
Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Supply Current	40mA
Output Voltage	40V
Output Current	30mA
Sync Input Voltage (Pin3)	5.0V _(p-p)
Flyback Input Voltage (Pin4)	5.0V _(p-p)
Power Dissipation, P_D	625mW
Derate above T_A	5.0mW/ $^\circ\text{C}$
Operating Ambient Temperature Range, T_{opr}	0° to +75°C
Storage Temperature Range, T_{stg}	-65° to +150°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Test Conditions	Min	Typ	Max	Unit
Regulated Voltage (Pin6)		8.0	8.6	9.0	V
Supply Current (Pin6)		–	20	–	mA
Collector–Emitter Saturation Voltage	$I_C = 20\text{mA}$, Pin1	–	0.15	0.25	V
Voltage (Pin4)		–	2.0	–	V
Oscillator Pull–In Range		–	± 300	–	Hz
Oscillator Hold–In Range		–	± 900	–	Hz
Static Phase Error	$\Delta f = 300\text{Hz}$	–	0.5	–	μs
Free–Running Frequency Supply Dependence	S1 in Position 2	–	± 3.0	–	Hz/V
Phase Detector Leakage (Pin5)	All Switches in Position 2	–	–	± 1.0	μA
Sync Input Voltage (Pin3)		2.0	–	5.0	V_{P-P}
Sawtooth Input Voltage (Pin4)		1.0	–	3.0	V_{P-P}

Pin Connection Diagram



Copyright © Each Manufacturing Company.

All Datasheets cannot be modified without permission.

This datasheet has been download from :

www.AllDataSheet.com

100% Free DataSheet Search Site.

Free Download.

No Register.

Fast Search System.

www.AllDataSheet.com