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

NTE1446
Integrated Circuit
Servo Control for VCR

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage ($V_{1–4}$), V_{CC} 15.6V
Supply Current, I_{CC} 45mA
Power Dissipation, P_D 550mW
Operating Temperature Range, T_{opr} . . . . . –10° to +60°C
Storage Temperature Range, T_{stg} . . . . . –40° to +150°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = $V_{1–4}$ = 12V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Circuit Current	I_1		18.5	23.3	28.0	mA
Video Amp Amplification	$A_{V\ (15)}$	V_{16} = $1V_{p–p}$ Sine Wave, f = 15.75kHz	3.0	3.5	4.0	times
Vertical Pulse Amplitude	$V_{H\ (13)}$	V_{16} = $1V_{P–P}$ Negative Pulse 60Hz, P.W. 650µs	8.4	–	–	$V_{P–P}$
V.S.S. Sensitivity	$V_{i\ (16)}$	V_{16} = Pulse 60Hz, P.W. 650µs	3.0	7.6	20.0	$mV_{P–P}$
Record Multi Delay Time	$t_{D\ (9)}$	V_{16} = $1V_{P–P}$, Pulse 60Hz, P.W. 650µs	25.0	27.5	30.0	ms
Control Signal Amplification	A_{CO}	V_3 = $5mV_{P–P}$, Sine Wave 30Hz	70	150	300	times
Playback Multi Sensitivity	V_{is}	V_3= Pulse 30Hz (POS) P.W. 650µs	0.6	0.9	1.5	$mV_{P–P}$
Playback Multi Delay Time	$V_{D3\ (8)}$	V_3 = $5mV_{P–P}$, Pulse 30Hz P.W. 650µs	26	29	31	ms

Pin Connection Diagram





