ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089
http://www.nteinc.com

NTE1811
Integrated Circuit
Cylinder Interface Circuit for VCR

Features:
- PG Monostable Multivibrator
- Tracking Monostable Multivibrator
- CTL Amplifier
- Supply Voltage: 5V

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

Supply Voltage, V_{CC} 6.0V
Power Dissipation (T_A = +70°C), P_D 100mW
Operating Ambient Temperature Range, T_{opr} . . . . . –20° to +70°C
Storage Temperature Range, T_{stg} . . . . . –40° to +150°C

Electrical Characteristics: (V_{CC} = 5V, T_A = +25°C, $V_{cc(opr)}$ = 4.5 to 5.5V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Circuit Current	I_{11}	Without Load	7.0	–	14	mA
CY. PG. FG. Input Sensitivity	$S_{17,16}$		–	–	1.5	V
PG MM Delay Time	T_{15}	C = 0.056μF, R = 20kΩ	690	–	860	μs
H/SW Output High	V_{OH14}	Without Load	4.6	–	–	V
H/SW Output Low	V_{OL14}		–	–	0.4	V
1/2 V_{ss} Input Sensitivity	S_{10}		–	–	1.5	V
Rec. Start Select Sensitivity	S_9		3.0	–	–	V
For./Rev Start Select Sensitivity	S_4		3.0	–	–	V
Rec. CTL Output High	V_{OH6}	Without Load	4.0	–	–	V
Rec. CTL Output Low	V_{OL6}		–	–	0.4	V
PB CTL Amp. Gain (For.)	$G_{(forward)}$		60	–	72	dB
PB CTL Amp. Gain (Rev.)	$G_{(reverse)}$		59	–	72	dB
Tracking Mono. Multi. Delay Amount	T_{13}	C = 0.27μF, R = 100kΩ	18	–	22	ms
PB CTL Wave Shaping Input Sensitivity	S_2		300	–	–	mV

Pin Connection Diagram