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NTE1425
Integrated Circuit
Capstan Servo Control Circuit for VCR

Features:
- Phase Control Circuit
- Speed Control Circuit
- Capstan FG Divider Ratio Change Circuit
- Sample Hold System Speed Control
- Supply Voltage, Either 9V or 12V

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

Supply Voltage, V_{CC} 14V
Power Dissipation, P_D 470mW
Operating Temperature Range, T_{opg} . . . . . –20° to +70°C
Storage Temperature Range, T_{stg} . . . . . –40° to +150°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Circuit Current	I_1		16	–	34	mA
Sensitivity (PG Amp In)	$S_{(1)}$		50	–	–	mV_{o-p}
(In)	$S_{(2)}$		7	–	–	V_{o-p}
Reference Voltage	$V_{REF(1)}$		2.7	–	3.7	V
Voltage High Level (S/H1)	$V_{OH(1)}$		9	–	–	V
Voltage Low Level (S/H1)	$V_{OL(1)}$		–	–	600	mV
Sensitivity Output (FG Amp In)	$S_{(3)}$		100	–	–	mV_{p-p}
(FF 2 Switch)	$S_{(4)}$		5	–	–	V
Reference Voltage	$V_{REF(2)}$		2.7	–	3.7	V
Voltage High Level (S/H2)	$V_{OH(2)}$		9	–	–	V
Voltage Low Level (S/H2)	$V_{OL(2)}$		–	–	600 mV	

Pin Connection Diagram