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## NTE1848 Integrated Circuit Stepping Motor Driver

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

Supply Voltage, $V_{CC}$ .....	40V
Output Current, $I_O$ .....	1.7A
Junction Temperature, $T_J$ .....	+125°C
Operating Temperature Range, $T_{opr}$ .....	-20° to +80°C
Storage Temperature Range, $T_{stg}$ .....	-30° to +100°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Voltage	$V_{CC}$		20	24	30	V
Output Current	$I_O$		0.2	-	1.5	A
Excitation Signal Input Current	$I_{IN}$		-	-	5.0	mA

**Signal Input of Phase Change:**

ON			OFF
Output Current (A/ $\phi$ )	Minimum Input Voltage (Volts)	Minimum Input Current (mA)	Maximum Input Voltage (V)
0.2	2.7	1.0	0.8
0.5	3.1	1.2	
1.0	3.6	1.4	
1.5	4.5	2.0	

**Output Current:**

Output Current, $I_O$ (A/ $\phi$ )	$R_x$ ( $\Omega$ )
0.31 to 0.39	200
0.95 to 1.05	1.4k

**Pin Connection Diagram**  
(Front View)

18	V <sub>CC</sub>
17	Output B $\bar{B}$
16	Output $\bar{B}$
15	Active High Input $\bar{B}$
14	Output B
13	Excitment Input B
12	GND
11	GND
10	Active High Input $\bar{A}$
9	Output $\bar{A}$
8	Excitment Input A
7	Output A
6	Output A $\bar{A}$
5	I <sub>CC</sub>
4	I <sub>CC</sub>
3	GND
2	I <sub>CC</sub>
1	Filter

