

Pin Function
 1. Mass 3. Channel A
 2. N.C 4. Vcc
 5. Channel B

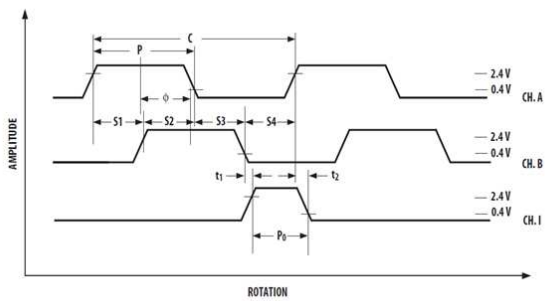
Characteristics @ 22°C

1	Number of lines available		96 to 1024	LPR
2	Supply voltage		5 ± 10%	Volt
3	Supply current	Typical	17 - 57	mA
4	Output signal		2 channels, square wave in quadrature 3 Channels (with index)	CMOS
5	Electrical phase shift		90 ± 10	degree
6	Maximum count frequency		100	kHz
7	Operating Temperature Range:		-40 (-40) to +100 (+212)	°C (°F)
8	Code wheel moment of inertia		0.6 X 10 ⁻⁷	10 ⁻⁷ x kgm ²
9	Weight		19 (0.67)	g (oz)

Available on motor types	22N48	22N98	22V48	23GST	26N48	28LT12	28DT12	35NT
L2-Length with motor - mm (in)	54.9 (2.16)	54.9 (2.16)	57.2 (2.25)	58.6 (2.31)	63 (2.48)	63.8 (2.51)	85.2 (3.35)	83.45 (3.29)

*On request, encoder available on other motors. Encoder also available with line-driver.

Output Waveforms



- Phase (φ):** This value is nominally 90°e for quadrature output.
- Index Pulse Width (PO):** This value is nominally 90°e or 1/4 cycle.
- State Width (S):** Each state is nominally 90°e
- Pulse Width (P):** This value is nominally 180°e or 1/2 cycle.
- One Cycle (C):** 360 electrical degrees (°e), 1 bar and window pair
- Channel I rising time (t1):** The value is nominally 100 ns
- Channel I falling time (t2):** The value is nominally 150 ns