



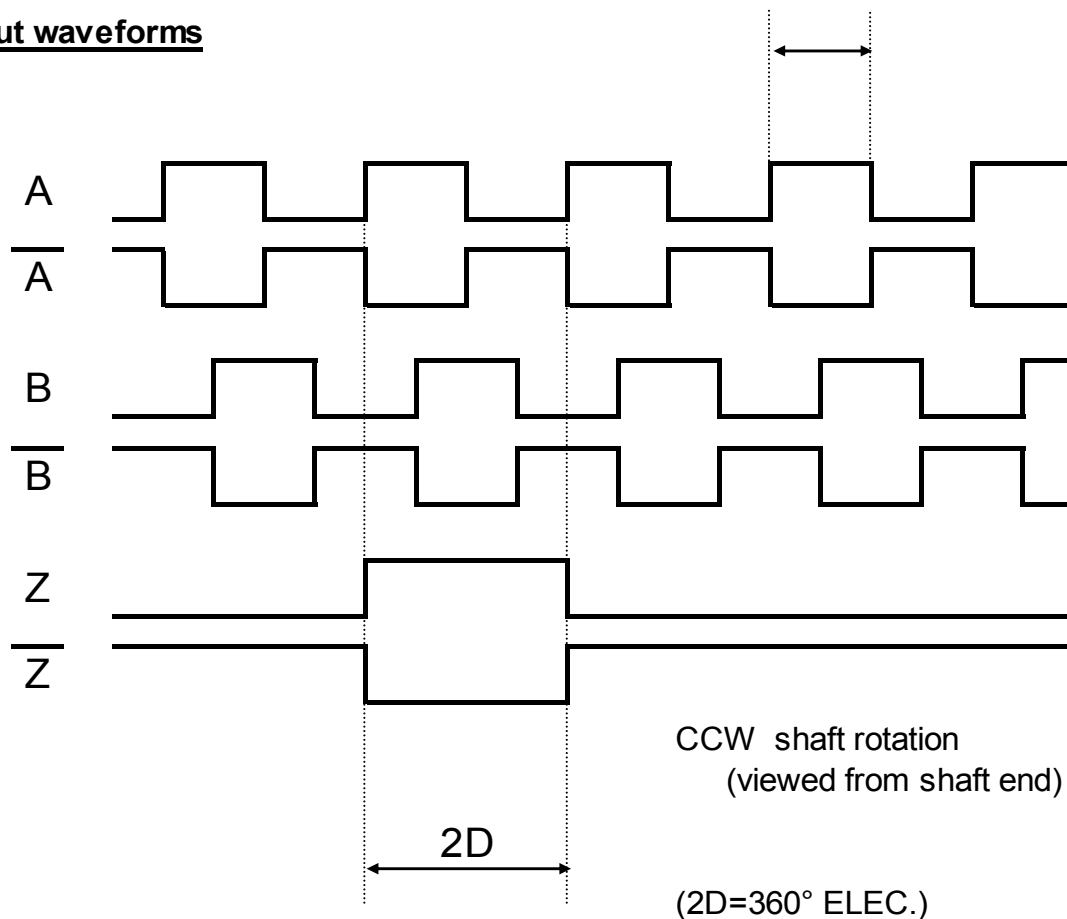
Optical Encoder

VRA35200 Series Specification		
Encoder Type	Incremental	
Resolution	2 x 1024cpt - 2 x 16,384cpt - 2 x 65,536cpt	
Accuracy	14arc seconds	
Angle	360 Degrees	
Operating Speed	Dependent on output resolution	
Output interface	Line driver / transistor	
Output code	ABZ + compliments	
Output protocol	RS422 / totem-pole	
Encoder working temperature	-40°C to 80°C (TBC)	
Degree of Protection	IP64	
Operating Voltage	5Vdc ± 5%	
Diameter	63.5mm	2.5 in
Length	75mm	3 in



Optical Encoder

Output waveforms



Outputs

A & B output resolution	1024 - 16,384 - 65,536 counts per turn *
Mark Space ratio	$\pm 10^\circ$ (electrical)
Mark Space ratio variation (jitter)	20° (electrical)
Phase relationship	$90^\circ \pm 10^\circ$

* Optional:-

Complimentary o/ps

Line driver / transistor totem pole o/p

1/4, 1/2 or 1 cycle Z output