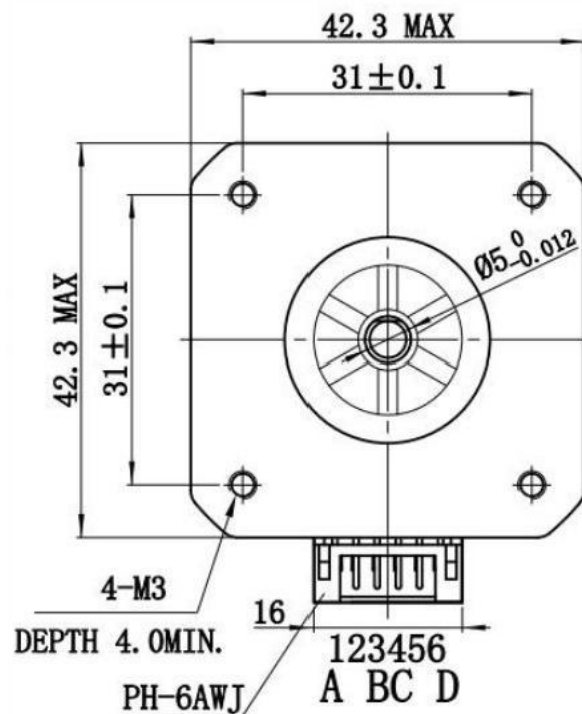
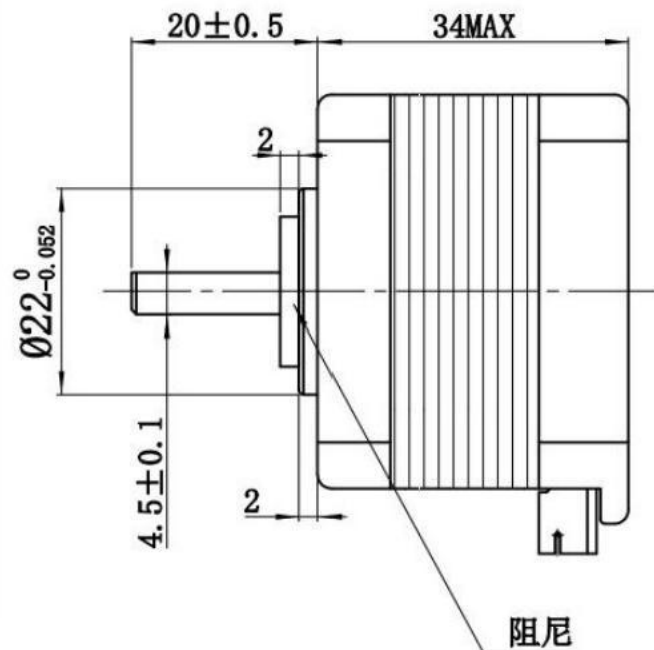


outline  
dimension

unit:mm

Motor  
characteristics

Project specifications

**Rated voltage is DC 4.8V**

Rated current DC 0.8A / phase

The step spacing angle is  $1.8^{\circ} \pm 0.09^{\circ}$ 

Phase number of 2

Winding DC resistance (25°C)  $6.0 (1 \pm 10\%) \Omega$ Winding inductance (1 KHz  $\pm 0.1$  V)  $8.7 (1 \pm 20\%)$  m MHMaintain torque (power on when two are identical)  $\geq 280$  mN.m**Positioning torque is 14 mN.m**

Maximum no-load starting frequency: 1500 PPS (half-step)

Maximum no-load operating frequency: 2500 PPS (half-step)

insulation resistance  $\geq 100$  MQ (DC 500V)  
insulation grade

MSY-XXXX-XXXXXX

Spray  
codeSHENGYA  
NG  
MOTOR  
42BYGH160  
3-A-20DNTExcitation sequence VS. rotation  
direction

TEP	A	B	C	D
	+	+	one	one
2	-	+	+	
3	-	one	+	+
4	+	-	one	+

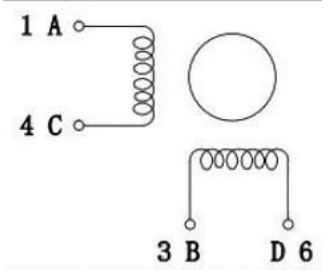
in  
fo  
r  
m

CW

From the outgoing end of the shaft, clockwise  
square  
To rotate the CWmoment  
of  
inerti  
a  
qualit  
y  
Elect  
rical  
schem  
atic

diagram

38g.cm<sup>2</sup>  
0.22Kg REF



D

E

				The dimension of the drawing mark shall prevail	Size is noted with no tolerance control table				SY Zhongshan Shengyang Electric Machinery Co., LTD				
				unit:mm	scale:nts	0°		0				±0.2	
				project number:		0.0°		0.0	±0.1	Title 42BYGH1603-A-20 DNT profile diagram			
						0.00°		0.00		Designer / Date			
										Proofreader s / dates			
										Standardiza tion / Date			
										Approved / Date			
A	For the first time.							figure number:SY4216-WXT-		Page 1 of 1 page		version number:A	
edition	Change the content			date									
1	2	3	4	5	6				7		8		