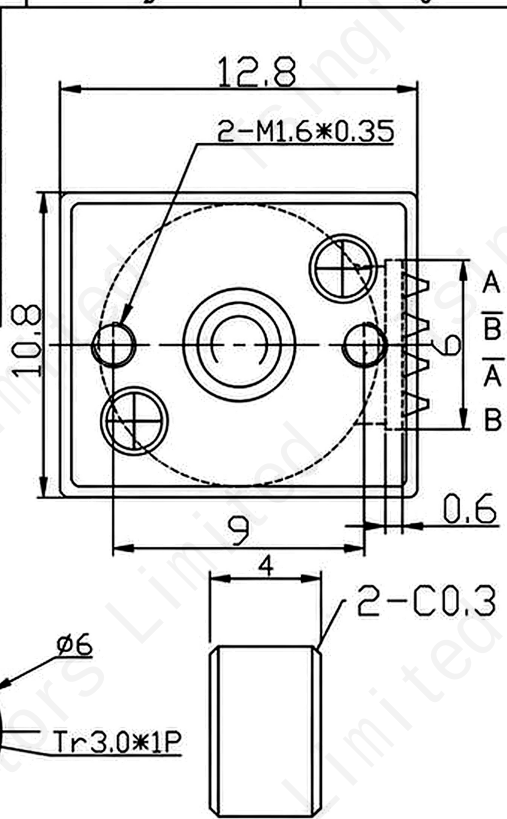
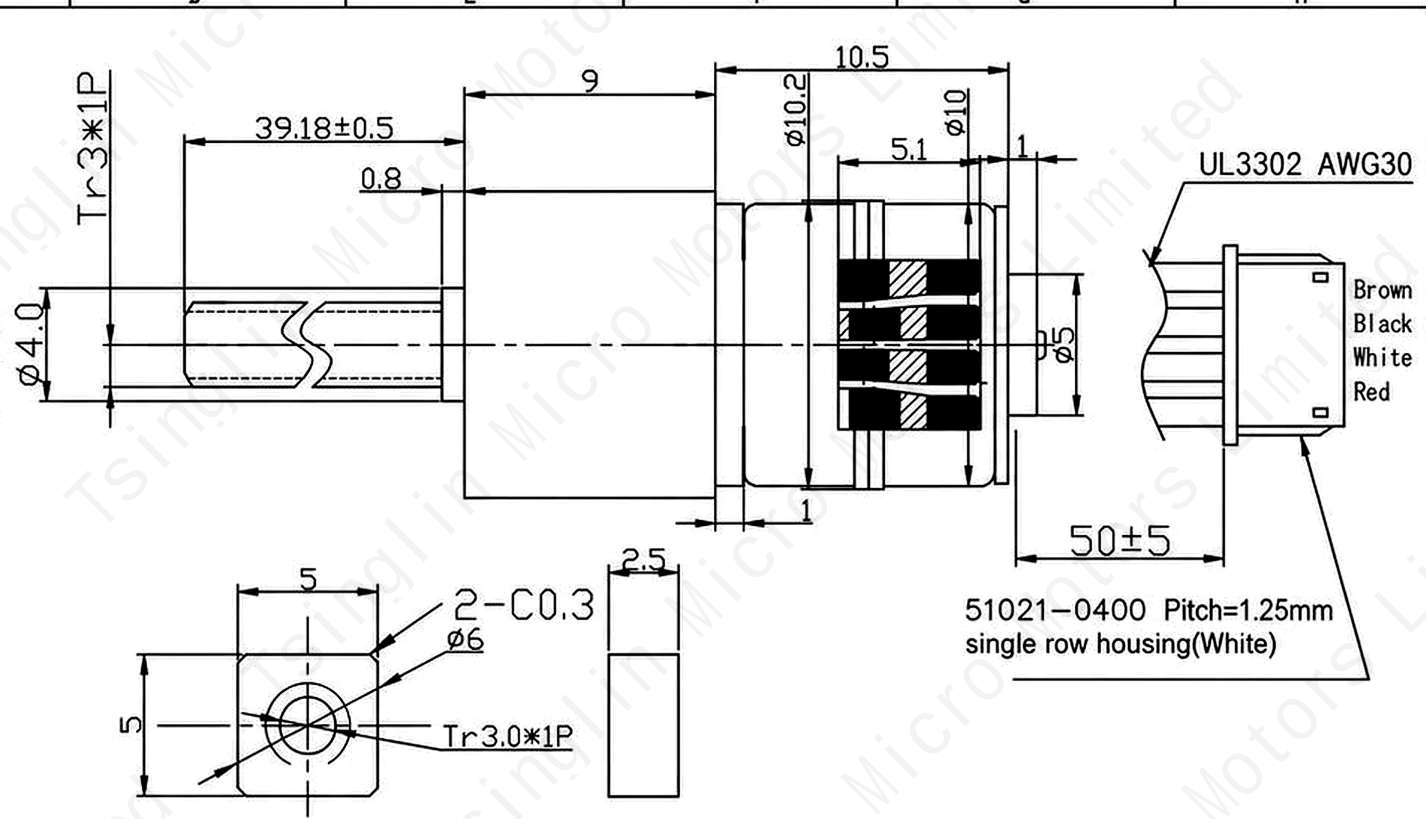


普通公差				
尺寸	公差	A	B	C
L<9	±0.03	±0.03	±0.05	
9<L<16	±0.05	±0.05	±0.08	
16<L<30	±0.07	±0.08	±0.10	
30<L<60	±0.10	±0.12	±0.15	
60<L<120	±0.15	±0.18	±0.22	
120<L<250	±0.20	±0.25	±0.30	
250<L<500	±0.30	±0.35	±0.45	
未标注公差		±0.1		



Nut 1 Dimensions (Material: Copper)



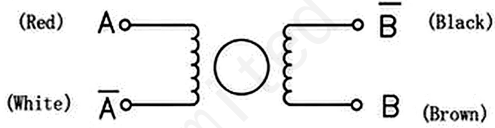
Nut 2 Dimensions (Material: Copper)

Gear Box: 1 : 50

ELECTRICAL CHARACTERISTIC

RATED VOLTAGE	5 V DC (Driver IC : L6219)
CURRENT PER PHASE	500 mA/PHASE
COIL RESISTANCE	10±10% ohm/PHASE
NO. OF PHASES	2 PHASES
STEP ANGLE	18°/100 STEP
EXCITATION METHOD	2 PHASE EXCITATION
DRIVE MODE	BIPOLAR DRIVE
PULL-OUT TORQUE	MORE THAN150 gf-cm AT 700 pps
HOLDING TORQUE	MORE THAN 180 gf-cm AT 0 pps
MAX RESPONSE FREQUENCY	MORE THAN 1200 pps
MAX STARTING FREQUENCY	MORE THAN 900pps
INSULATION CLASS	CLASS E FOR COILS
INSULATION STRENGTH	50 V AC FOR ONE SECOND
INSULATION RESISTANCE	20MΩ DC 500 V
OPERATING TEMPERATURE RANGE	0 ~ +55 ℃

CONNECTION DIAGRAM



SEQUENCE OF EXCITATION

CONNECTOR PIN LOCATION					
PIN NO	COLOR	CCW (SEEN FROM FLANGE SIDE)	CW (SEEN FROM FLANGE SIDE)	PHASE	
1	Red	ON	ON	A	
2	White	ON	ON	A	
3	Black	ON	ON	B	
4	Brown	ON	ON	B	

2-2相/mutually

A									
版本 Version	版次 Revision	更改处数 Change the number at	更改内容 Change number of content				签名 Signature	日期 Date	
Tsinglin Micro Motors Limited									
制图 Drawn.	审核 Check.	材料 Material	重量 Weight	比例 Scale.	第三角投影 Third Angle Projection	产品料号 Part Number	TSL-GB50-SM10		
设计 Design.	核准 Appro.			5:1		产品名称 Product Name	步进马达 Stepper motor		