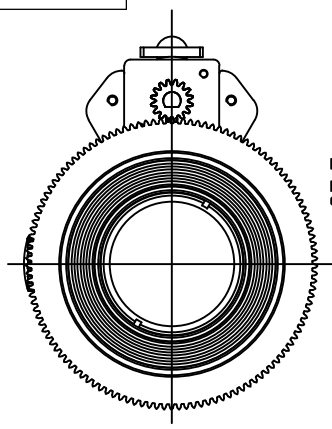
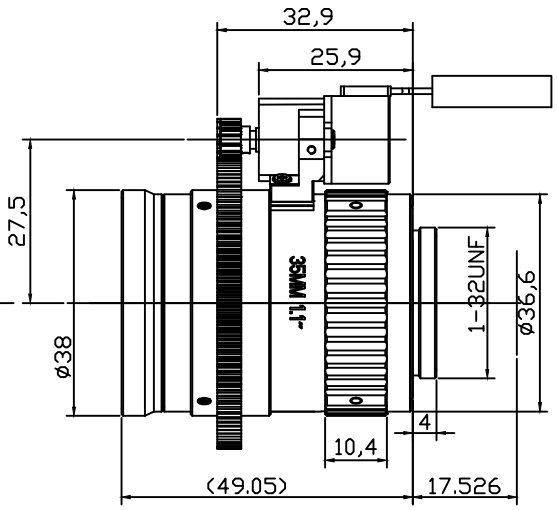
RoHS | HF | REACH



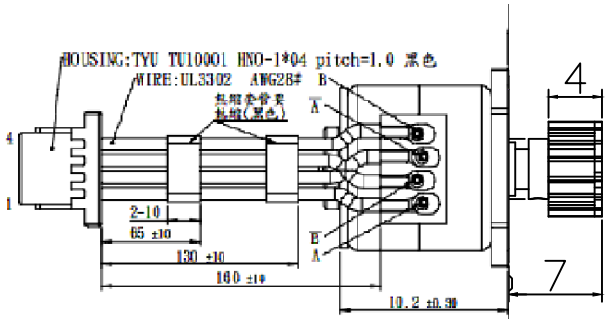


CONNECTION DIAGRAM

SEQUENCE OF EXCITATION

PHASE \ STEP	1	2	3	4
A	H	H	L	L
$\overline{A}$	L	L	H	H
B	L	H	H	L
$\overline{B}$	H	L	L	H

PIN	NOTOR TERMINAL	CABLE WIRE COLOUR
1	A	WHITE
2	$\overline{A}$	BLACK
3	$\overline{B}$	BLUE
4	B	RED



1.1" F2.4/35MM /20MEGA/C MOUNT				
FOCAL LENGTH	f=35MM			
F.NO	F=1:2.4--16			
FOCUS DISTANCE	0.1M			
FLANGE BACK	17.526MM IN AIR			
BACK FOCUS	22.2			
FILTER SCREW SIZE	M35.5*P0.5			
MOUNT	C			
REL. ILLUMINATION	≥70%			
Front/Rear Effective Dia	Front ø21.5 Rear ø17.2			
FIELD OF VIEW	SENSOR	1.1"	1"	2/3"
	D	26.3°	24.4°	16.9°
	H	21.5°	19.6°	13.6°
	V	16.3°	14.8°	10.2°
TV DISTORTION		<0.1%	<0.05%	<0.05%
外观标准	60--40			
WORKING TEPMERATRUE	-40℃~80℃			
STORAGE TEPMERATRUE	-40℃~85℃			

WORKING DISTANCE	OPTICAL MAGNIFICATION	1.1" FIELD OF VIEW	
MM		H	V
5000	0.007X	2079.07	1559.30
2000	0.017X	824.332	618.249
1000	0.035X	406.235	304.676
900	0.039X	364.451	273.338
800	0.044X	322.678	242.009
700	0.05X	280.924	210.693
600	0.059X	239.197	179.398
500	0.071X	197.519	148.139
400	0.090X	155.928	116.946
350	0.104X	135.193	101.395
300	0.123X	114.527	85.896
250	0.150X	93.978	70.483
200	0.191X	73.636	55.227
150	0.262X	53.887	40.415
100	0.376X	37.536	28.152

ELECTRICAL CHARACTERISTIC

Rated Voltage(额定电压):	5.0V DC Constant
Operating Voltage Range(使用电压范围):	3.3V~5.0V
Excitation Method(激磁方式):	2 Phase Excitation
Coil Resistance(线圈电阻):	19Ω ± 10%
Step Angle(步进角度):	0.12° Step(ref)
Withstand Voltage(耐压):	AC 100 V/3mA
Insulation Resistance(绝缘阻抗):	10M Ω(AT500pps 5v DC)
Mechanical Speciication(机械特性):	
Final Transmission Ratio(减速比):	20:1
Gear Box3 Output Torque(输出力矩):	450gf-cm(min)(AT 500pps,5v DC)
Max.Slew rate(最大连续响应频率):	2500pps(min)(AT,5 v DC)
Max.Start rate(最大应答周波数):	1000pps(min)(AT,5 v DC)
Mechanical Noise(机械噪音):	60dB(max)(DC 5v 500pps

齿轮出力参数:

齿轮齿形:	JIS B 1701	分度圆直径:	ø6.4/ø48.4
模数:	0.4	齿顶圆直径:	ø7.2/ø49.2
压力角:	20°	齿根圆直径:	ø5.4/ø47.4
齿数:	16 / 121	精度:	JGMA-116-02 5级

Common Tolerance	
Angle	±0.5°
0.000	±0.01
0.00	±0.03
0.0	±0.05
0	±0.1

Rev	Description	Name	Date
④			
③			
②			
①			

Design	Examine	Checked	Approved
			CHKP

Material: /

3RD_ANGLE_PROJN

##

Model: 1.1"-35mm-20M

Unit	mm
Scale	2:1
Ver	00
Date	2021.10.10

Part Name: DFA3512D规格书

Dwg No: DFA3512D-SPEC-V0