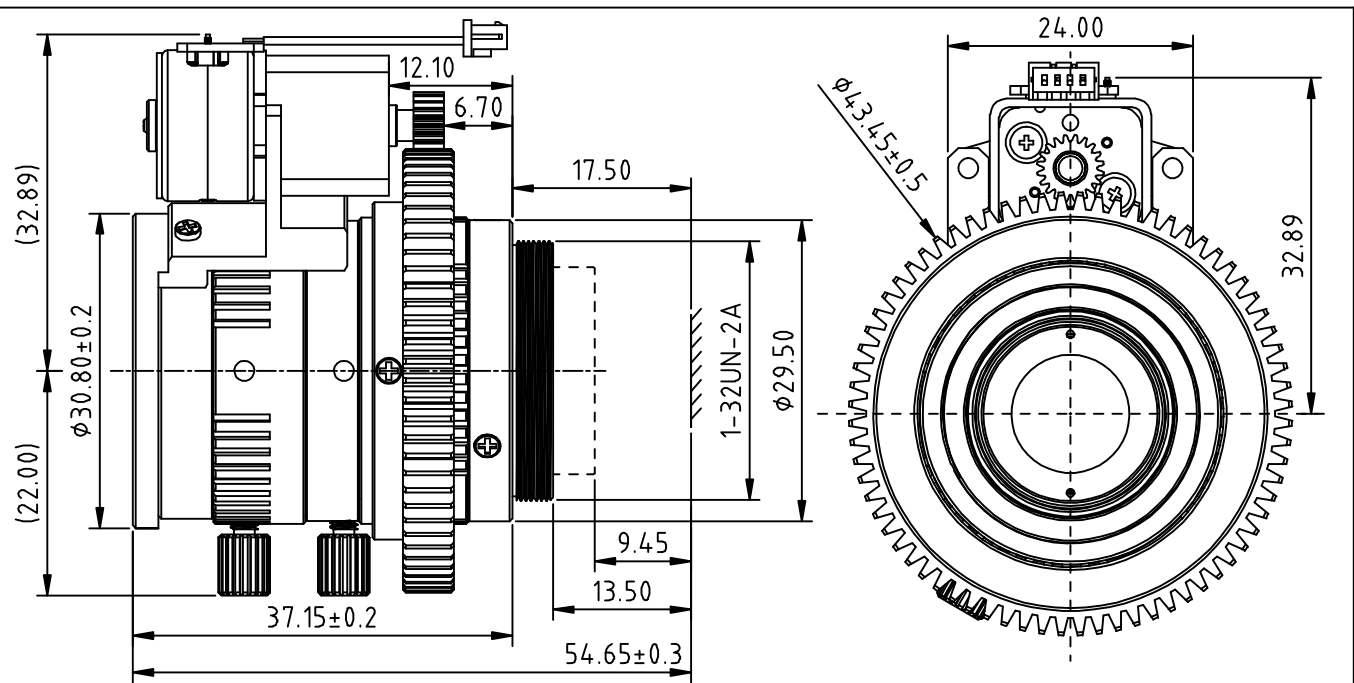


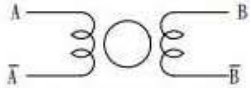
NO.	ITEM	SPECIFITION	NOTE
1	IMAGE FORMAT	2/3"	
2	IMAGE CIRCLE	φ13.00	Max
3	OPTICAL EFL	25.0±0.3	0.25M
4	APERTURE	2.0	
5	RESOLUTION	10MP	
6	SYSTEM TTL	54.65±0.3mm	
7	FIELD OF VIEW	4:3 0.25M	D H V
		2/3"	23.0° 18.5° 14.0°
		1/2"	17.0° 13.6° 10.2°
8	CHIEF RAY ANGLE	< 10°	
9	ILLUMINATION	80.0%	
10	DISTORTION	< -0.1%	
11	OPTICAL BFL	/	
12	MECHANICAL BFL	13.5-9.45	
13	DIMENSION	φ30.8x37.15mm	
14	MOUNT	C	
15	IR CORRETION	/	
16	ELEMENT	/	
17	WAVELENGTH	420-700	
18	M.O.D	0.08M	
19	TEMPERATURE	-20°C ~ +70°C	
20	ZOOM OPERATION	FIXED	
21	IRIS OPERATION	MANUAL	
22	FOCUS OPERATION	MOTORIZED	



Working Distance	Optical Magnification	2/3" (4:3)		1/1.8" (4:3)		1/2" (4:3)	
		8.8(H)	6.6(V)	7.04(H)	5.28(V)	6.4(H)	4.8(V)
80	0.334798	26.3008	19.7317	21.043	15.784	19.1309	14.3495
100	0.261935	33.6192	25.2197	26.9004	20.1767	24.2557	18.3426
150	0.172071	51.1879	38.4002	40.9594	30.7205	37.2367	27.9276
200	0.128946	68.3146	51.2477	54.6636	40.9976	49.6949	37.2699
250	0.103343	85.2488	63.9514	68.2143	51.1594	62.0134	46.5075
300	0.086299	102.0885	76.5827	81.6880	61.263	74.2617	55.6919
350	0.074122	118.8621	89.1646	95.1090	71.327	86.4622	64.8406
400	0.064971	135.6039	101.7221	108.5042	81.3716	98.6389	73.9714
450	0.057838	152.3275	114.2660	121.8847	91.4052	110.8025	83.0923
500	0.052125	169.0207	126.7865	135.2404	101.4198	122.9434	92.1959
550	0.047442	185.7044	139.3001	148.5887	111.4291	135.0775	101.2945
600	0.043533	202.3778	151.8059	161.9287	121.4321	147.2041	110.3877
650	0.040221	219.0405	164.3035	175.2599	131.4285	159.3227	119.4746
700	0.037378	235.6965	176.7961	188.5858	141.4208	171.4364	128.5579
750	0.034911	252.3501	189.2865	201.9095	151.4114	183.5481	137.6396
800	0.032750	268.9965	201.7716	215.2275	161.3976	195.6545	146.7173
850	0.030841	285.6433	214.2571	228.5459	171.3844	207.7615	155.7955
900	0.029140	302.2811	226.7358	241.8569	181.3655	219.8617	164.8687
950	0.027623	318.9177	239.2134	255.1671	191.3458	231.9611	173.9410
1000	0.026253	335.5559	251.6922	268.4786	201.3270	244.0613	183.0142

NAME	Motorized Focus FA Lens	UNTIS	mm
MODEL	SMZ-MV2520-10M	SCALE	1:
		REV.	A
		WEIGHT	

CONNECTION DIAGRAM



SEQUENCE OF EXCITATION

STEP	1	2	3	4	5	6	7	8
A	H	H	H	OFF	L	L	L	OFF
\bar{A}	L	L	L	OFF	H	H	H	OFF
B	L	OFF	H	H	H	OFF	L	L
\bar{B}	H	OFF	L	L	L	OFF	H	H

OUTPUT SHAFT ROTATION CCW

未標注尺寸公差		未標注角度公差	
≤6	±0.3	-	±5°
>6 ≤30	±0.5		
>30	±0.8		

PIN	CABLE WIRE COLOUR	PHASE
1	BLACK	\bar{A}
2	BLACK	A
3	BLACK	\bar{B}
4	BLACK	B

出力齒輪參數	
材質	C3604BD
模數	0.3
壓力角	20°
齒數	20
齒冠圓直徑	$\phi 6.6_{-0.1}^0$
節圓直徑	$\phi 6.0$
齒根圓直徑	$\phi 5.25_{-0.1}^0$
轉位系數	0
精度	JGMA-116-02 5級

ELECTRICAL CHARACTERISTIC

1. Standard Operating Conditions

- (1) Rated VOLTAGE \triangle : 3.5 V DC
- (2) Excitation Method : 2 Phase Excitation
- (3) NO Of Phases : 2 Phases
- (4) Operating Temperature Range \triangle : -10°C ~ +70°C
- (5) Storage Temperature \triangle : -10°C ~ +70°C

2. Standard Test Environment

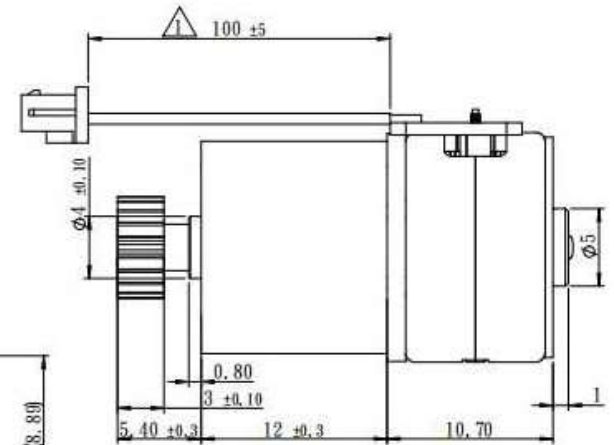
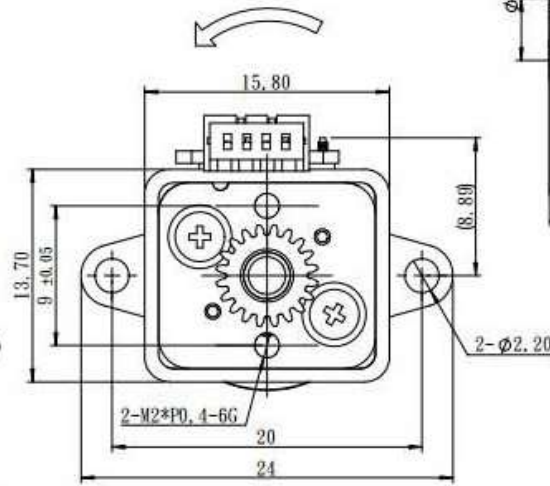
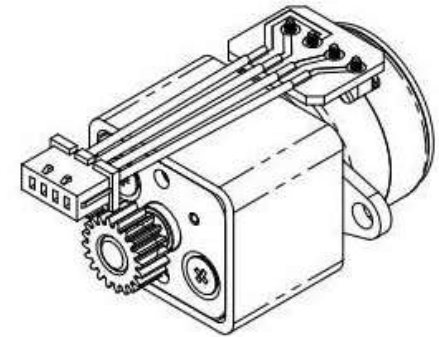
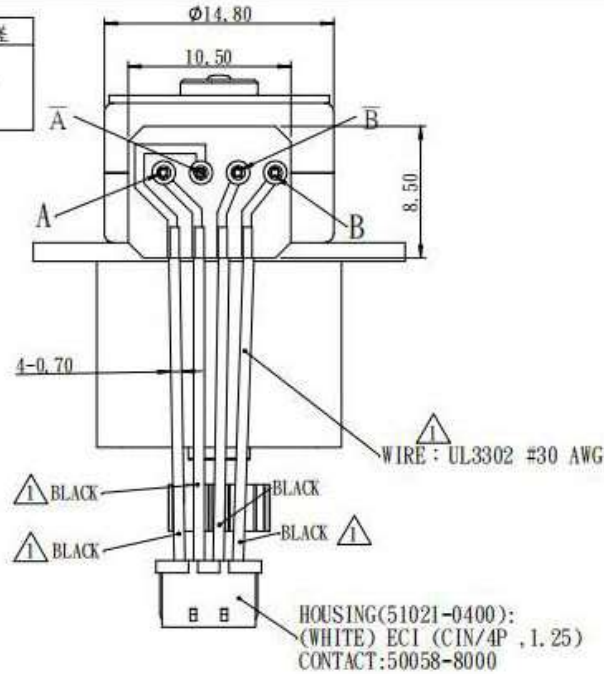
Every characteristic inspected must be at normal temperature and humidity carried out if there no special notes, the normal temperature 23°C±5°C and relative humidity 65%±10% RH is made for the specification standard testing environment.

3. Electrical Specification

- (1) Coil Resistance : 10Ω±7%
- (2) Step Angle : 0.188° /Step
- (3) Withstand Voltage : AC 200 V/ 3mA (for 1 second between case and coil)
- (4) Insulation Resistance : 100M Ω(min.) (Between case and coil DC 200V)

4. Mechanical Specification

- (1) Transmission Ratio : 96:1
- (2) Output Gear Torque \triangle : 310 gf-cm (min.) (AT 3.5V, 1285 pps, 1-2 phases)
- (3) Max. Starting Frequency \triangle : 1300 pps (min.) (AT 3.5V, 1-2 phases)
- (4) Max. Slewing Frequency \triangle : 1500 pps (min.) (AT 3.5V, 1-2 phases)
- (5) Mechanical Noise : 60dB(max.) (AT 3.5V, 1285 pps, 1-2 phases, No-load, distance=10 cm)
- (6) Weight \triangle : 17.6 g(ref.)
- (7) Gear Separation Force : 1 kg (min.)



\triangle	特性修正
\triangle	依客戶要求修正特性