

1	2	3	4	5	6	7	8	9	
Customer sign									HIWIN CONFIDENTIAL
A							機密文件未經許可，嚴禁複製		
B							PF Number : \		
C									
D									
E									
F									
G									

**(表A-需求規格表)**

**(表B-近接開關腳位表)**

**(表C-馬達腳位表)**

**(表D-讀頭腳位表)**

挑選精度 (V)	讀頭編碼	解析度		重現精度		絕對精度(註4)	
		Digital 0.1 μm optical	Digital 1 μm optical	± 1 μm	± 2 μm	± 3 μm	± 6 μm
K	Digital 0.1 μm optical	± 1 μm	± 2 μm	± 3 μm	± 6 μm		
G	Digital 1 μm optical	± 1 μm	± 2 μm	± 3 μm	± 6 μm		
E	Digital 1 μm magnetic	± 3 μm	± 6 μm				

  

挑選尺寸 (V)	規格	有效行程	尺寸						機台重量(kg)
			LT	N	LA	LB	LC	A	
200	220	850	9	784	65	720	783	-	32.3
250	270	900	9	834	90	720	833	-	33.8
300	320	950	9	884	115	720	883	-	35.3
350	370	1000	11	934	20	960	933	-	36.8
400	420	1050	11	984	45	960	983	-	38.3
450	470	1100	11	1034	70	960	1033	-	39.9
500	520	1150	11	1084	95	960	1083	-	41.4
550	570	1200	11	1134	120	960	1133	-	42.9
600	620	1250	11	1184	145	960	1183	-	44.4
650	670	1300	13	1234	50	1200	1233	-	45.9
700	720	1350	13	1284	75	1200	1283	-	47.4
750	770	1400	13	1334	100	1200	1333	-	48.9
800	820	1450	13	1384	125	1200	1383	-	50.4
850	870	1500	13	1434	150	1200	1433	-	51.9
900	920	1550	15	1484	55	1440	1483	-	53.4
950	970	1600	15	1534	80	1440	1533	360	54.9
1000	1020	1650	15	1584	105	1440	1583	360	56.5
1050	1070	1700	15	1634	130	1440	1633	600	58.0
1100	1120	1750	15	1684	155	1440	1683	600	59.5
1150	1170	1800	15	1734	60	1680	1733	600	61.0
1200	1220	1850	17	1784	85	1680	1783	600	62.5

  

Positioning Measurement-Digital				TYPE	SSA-20C100 (Stroke200~1200)		
Function	Signal	Color	D-Sub (Male-15P)				
Power	5V	Brown	7.8	optical			
	0V	White	2.9	magnetic			
Incremental signals	A+	Green	14				
	A-	Yellow	6				
Reference mark	B-	Blue	13				
	Z+	Red	5				
Shield	Z-	Violet	12				
	Outer	Grey	4				
Inner	Inner Shield	15	case				
Outer	Outer Shield	case	-				

  

ROUGH %	FIT %	GRD	SCALE	TOLERANCE mm		APPD		
				TO	6		30	120
± 0.1	± 0.2	± 0.3	± 0.4	± 0.5	± 0.8	± 1.0	± 1.5	顏祐臨

1	2	3	4	5	6	7	8	9
Customer sign							HIWIN CONFIDENTIAL	
A							機密文件未經許可，嚴禁複製	
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C								
D								
E								
F								
G								

(表B-近接開關腳位表)

Motor wiring diagram	
Signal	Color
V	Black-2
U	Black-1
W	Black-3
GND	Green/Yellow
T+	Black-5
T-	Black-6
Shield	

(表C-馬達腳位表)

註 : 1. 規格: LMSSA-20C100-2-□□□(行程)-□(讀頭)□(出線).3□(近接開關)-S-S-A0.  
 (規格編碼原則請參閱型錄)  
 2. 移動部重量: 5.9kg, 連續推力: 91 N, 瞬間推力: 364 N .  
 3. HIWIN 精度保證於室溫23°C±1°C下量測.  
 4. 出貨時鎖附在花崗岩上進行量測.  
 5. 若未搭配 HIWIN 驅動器，出貨報告只提供精度補償表.  
 6. 讀頭延長線需另外購買.  
 7. 此圖面尺寸不適合用於霍爾編碼器

Positioning Measurement-Digital

Function	Signal	Color	D-Sub (Male-15P)	
Power	5V	Brown	7,8	7
	0V	White	2,9	2
Incremental signals	A+	Green	14	
	A-	Yellow	6	
	B+	Blue	13	
Reference mark	Z+	Violet	12	
	Z-	Grey	4	
	Shield	Inner Outer	Inner Shield Outer Shield	15 case

(表D-讀頭腳位表)

(表A-需求規格表)

挑選精度 (V)	讀頭編碼	解析度			重現精度		絕對精度(註4)					
		K	Digital 0.1 μm optical		± 1 μm	± 2 μm						
G	Digital 1 μm optical	± 3 μm			± 6 μm							
		Digital 1 μm magnetic			± 3 μm	± 6 μm						
挑選尺寸 (V)	規格	有效行程	尺寸						機台重量(kg)			
			LT	N	LA	LB	LC	A		B		
		1250	1270	1900	17	1834	110	1680		1833	600	68.0
		1300	1320	1950	17	1884	135	1680		1883	600	69.5
		1400	1420	2050	19	1984	65	1920		1983	600	72.5
		1500	1520	2150	19	2084	115	1920		2083	600	75.5
		1600	1620	2250	21	2184	45	2160		2183	840	78.6
		1700	1720	2350	21	2284	95	2160		2283	840	81.6
		1800	1820	2450	21	2384	145	2160		2383	840	84.6
1900	1920	2550	23	2484	75	2400	2483	840	87.6			
2000	2020	2650	23	2584	125	2400	2583	840	90.6			
2100	2120	2750	25	2684	55	2640	2683	1080	93.7			
2200	2220	2850	25	2784	105	2640	2783	1080	96.7			
2300	2320	2950	25	2884	155	2640	2883	1080	99.7			

**HIWIN MIKROSYSTEM CORP.**

TYPE	SSA-20C100 (Stroke1250~2300)								
CUSTOMER	\		DATE Apr.10.20						
ROUGH $\frac{M}{C}$	FIT $\frac{M}{C}$	GRD	SCALE						
8.0a ▽	3.2a VV	0.8a VVV	1:X						
TOLERANCE mm									
UP TO	6	30	120	120	300	600	1200	1200	OVER 2400
	± 0.1	± 0.2	± 0.3	± 0.4	± 0.5	± 0.8	± 1.0	± 1.5	
NAME				DWG NO				SHEET	
APPROVAL				\ A1				1-2	