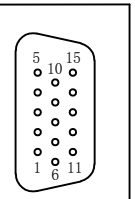
角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE
1	U相 MOTOR U	黄 YELLOW	12AWG
2	V相 MOTOR V	红 RED	
3	W相 MOTOR W	黑 BLACK	
4	PE相 MOTOR PE⏚	黄绿 YELLOW/GREEN	14AWG
5	NC	NC	

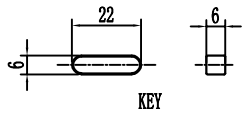
动力线 Power Wire

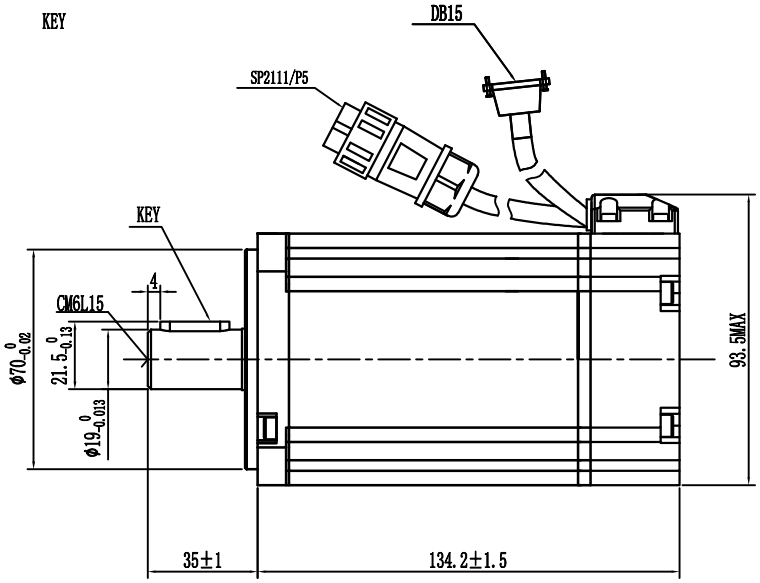
角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE	角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE
1	DC +5V	红 RED	28AWG	9	W	灰黑 GRAY/BLACK	28AWG
2	GND	黑 BLACK		10	V	白黑 WHITE/BLACK	
3	NC	NC		11	/Z	黄黑 YELLOW/BLACK	
4	U	棕黑 BROWN/BLACK		12	/B	绿黑 GREEN/BLACK	
5	/U	棕 BROWN		13	/A	蓝 BLUE	
6	Z	黄 YELLOW		14	/W	灰 GRAY	
7	B	绿 GREEN		15	/V	白 WHITE	
8	A	蓝黑 BLUE/BLACK					

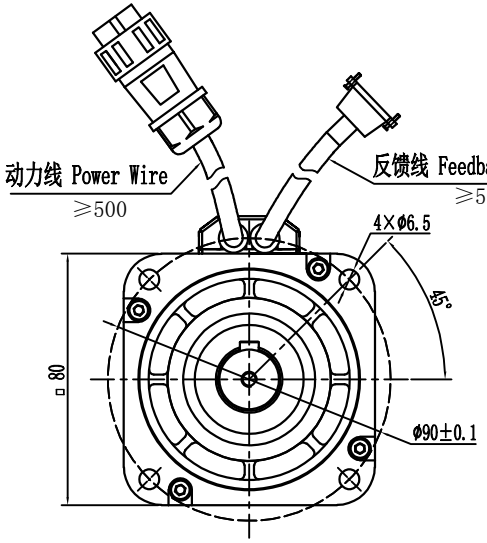


DB 15M

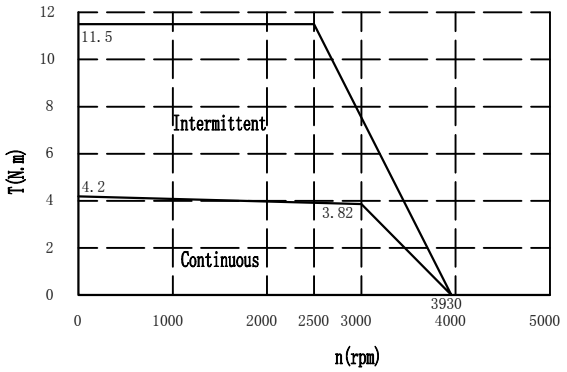
反馈线 Feedback Wire







Performance Curve



技术参数 Technical Data

极数 No. of poles	10
直流母线电压 DC Link Voltage U_{DC}(V)	48
额定功率 Rated Power P_N(W)	1200
额定转矩 Rated Torque T_N(N.m)	3.82
额定转速 Rated Speed n_N(rpm)	3000
额定电流 Rated Current I_N(A)	34
最大转矩 Maximum torque T_m(N.m)	11.5
连续静态转矩 Standstill torque T_S(N.m)	4.2
线电阻 Resistance line-line R_L(Ω)	0.04(20℃)
线电感 Inductance line-line L_L(mH)	0.168
电气时间常数 Electrical time constant τ_e(ms)	4.31
机械时间常数 Mechanical time constant τ_m(ms)	0.59
反电势常数 Voltage constant K_e(V/krpm)	7.65
转矩常数 Torque constant K_t(Nm/A)	0.127
转动惯量 Rotor moment of inertia Jm (Kg.cm^2)	1.36
最大径向力 Max. radial force Fr(N)	335
最大轴向力 Max. axial force Fa(N)	167.5
反馈装置 Feed back device	Tamagawa Incremental 2500ppr
绝缘等级 Insulation class	F
防护等级 Protection level	IP65
重量 Weight (Kg)	2.8

VER	DESCRIPTION OF CHANGE			
		VER	ECN NO.	CHANGE

FINAL TOLERANCE REFERENCE
GB/T 1804-m Unit:mm
LINER

≤6	±0.1	>6~30	±0.2
>30~120	±0.3	>120~400	±0.5

APP'D	DATE
MATERIAL	
FIRST ANGLE PROJECTION	

		DESIGN	DATE
P/NO.	9.5134SS	YL	20-12-31
TITLE	Outside Drawing	CHECK	
USED ON	SMC80S-0120-30AAK-5DSH	LS	20-12-31
SCALE:	VER: V1.0	APPROVE	
SHEET 1 OF 1	KINAVO MOTOR	SL	20-12-31

数字签名者：李慧 日期：2020.12.31 17:10:50 +08'00'

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