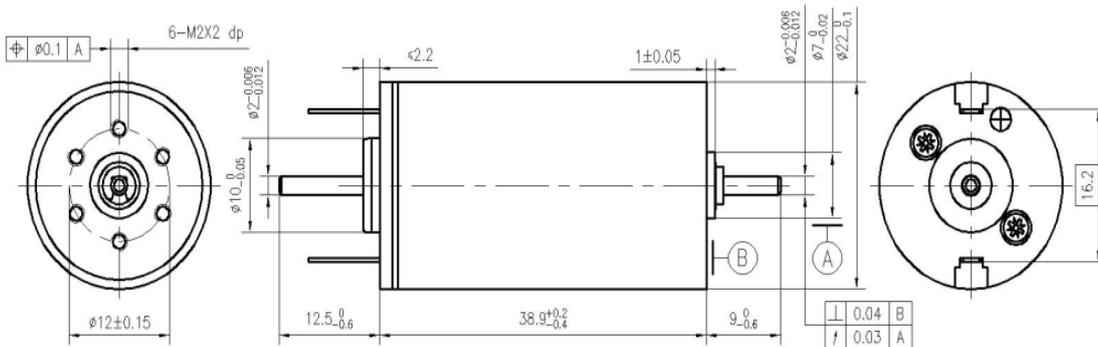


Ø22mm,graphite brushes,sleeve bearing,with terminals/wires/Ø22mm石墨电刷,滑动轴承,引出片/引出线

2238Series / 2238系列		型号/model	7230.E	7230.S	7180.S	7120.S		
Motor data (25°C)/ 运行参数 (25°C)								
Max. power at short term/短时运行最大功率		W	7	9	10	8		
values at nominal voltage/额定电压下数值								
1 Nominal voltage/额定电压	Volt		12	15	24	36		
2 Terminal resistance/端电阻 ±10%	Ohm		2.24	4.40	6.20	16.80		
3 No-Load speed/空载转速 ±10%	rpm		8,380	8,000	8,688	8,240		
4 No-Load current/空载电流 ≤125%	mA		330.0	25	39	20.0		
5 Speed constant/速度常数	rpm/V		698	533	362	229		
6 Torque constant/转矩常数	mNm/A		12.8	17.8	26.1	41.4		
7 Starting current/启动电流	mA		5,357	3,409	3,871	2,143		
8 Stall torque/堵转转矩	mNm		68.8	60.6	101.1	88.6		
9 Mechanical time constant/机械时间常数	ms		5.4	5.4	9.8	7.2		
10 Rotor inertia/转动惯量	gcm ²		11.0	10.7	6.9	6.2		
11 Max. efficiency/最大效率	%		57	84	81	82		
12 Motor inductance/电机电感	mH		0.4	0.22	0.4	0.6		
13 Weight of motor/电机重量	g		70	71	70	70		
Limits for continuous operation/电机连续运行区域上限								
14 Max. continuous current/最大连续工作电流	mA		706	706	433	192		
15 Max. continuous torque/最大连续工作转矩	mNm		9.06	12.55	11.30	7.95		
16 Nominal speed/最大连续工作电流下的转速	rpm		7,276	6,343	7,716	7,501		
17 Max. continuous power /最大连续输出功率	W		6.90	8.33	9.14	6.24		
Dimensions/外形尺寸								



Additional information/其它相关信息

- Axial play (measured at 4N axial force)/轴向间隙 (沿轴向施加4N力时的间隙) 0.05~0.15 mm
- Max. sleeve bearing loads/滑动轴承最大载荷
 - Axial (dynamic)/轴向(动态) 1.0N
 - Radial (4 mm from jamming ring)/径向 (卡簧外4mm) 2.7N
 - Force for press-fits (static)/最大允许安装力 (静态) 80N
- Max. radial play sleeve bearing/滑动轴承最大径向间隙 0.02mm
- Ambient temperature range/环境温度范围 -20~+65°C
- Max. rotor temperature/转子承受最高温度 +85°C
- Options: gearbox ,encoder and ball bearings/其它可选项: 减速器、编码器和滚动轴承