

无刷直流行星齿轮减速电机 (内齿圈材质:粉末金属)

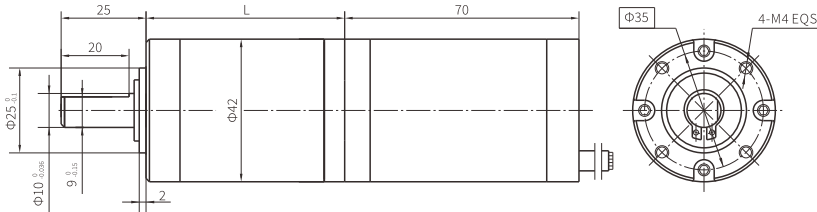
BLDC Planetary Gear Motor (Ring Gear Material: Powder Metal)

42JXF150K/42BL70

Φ42行星减速器, 允许转矩范围:2N.m~15N.m
42mm OD Planetary Gearbox,
Permissible Load Range: 2N.m~15N.m

外形和安装尺寸

Dimensions



无刷电动机主要技术参数

Brushless Motor Technical Data

电机型号 Type	极数 Number of poles	相数 Number of phase	额定电压 Rated Voltage VDC	空载转速 No-load Speed r/min	额定转速 Rated Speed r/min	额定转矩 Rated Torque N.m	额定功率 Rated Power W	额定电流 Rated Current A	峰值转矩 Peak Torque N.m	峰值电流 Peak Current A	电阻 Line to line resistance ohms	电感 Line to line inductance mH
42BL70-2440	4	3	24	4000	3000	0.06	20	1.16	0.13	2.31	2.84	4.6
42BL70-2450	4	3	24	5000	4000	0.07	30	1.74	0.14	3.47	1.63	2.6

无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置42BL70-2440无刷直流电机(42BL70-2440 BLDC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	190	265	369
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length mm	37.5	37.5	47.8	47.8	47.8	58.5	58.5	58.5	58.5	68.9	68.9	68.9
空载速度 No-load speed r/min	1078	772	286	211	148	78	56	40	29	21	15	11
额定转速 Rated speed r/min	809	579	214	158	111	59	42	30	22	16	11	8
额定转矩 Rated torque N.m	0.2	0.3	0.7	1.0	1.4	2.4	3.3	4.6	6.5	7.9	11.1	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	10	10	10	10	15	15	20	20

配置42BL70-2450无刷直流电机(42BL70-2450 BLDC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	190	265	369
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length mm	37.5	37.5	47.8	47.8	47.8	58.5	58.5	58.5	58.5	68.9	68.9	68.9
空载速度 No-load speed r/min	1348	965	357	263	185	98	70	50	36	26	19	14
额定转速 Rated speed r/min	1078	772	286	211	148	78	56	40	29	21	15	11
额定转矩 Rated torque N.m	0.2	0.3	0.8	1.1	1.6	2.7	3.7	5.2	7.3	8.9	12.5	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	10	10	10	10	15	15	20	20

接线方式

Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
电机 Motor			霍尔 Hall				