

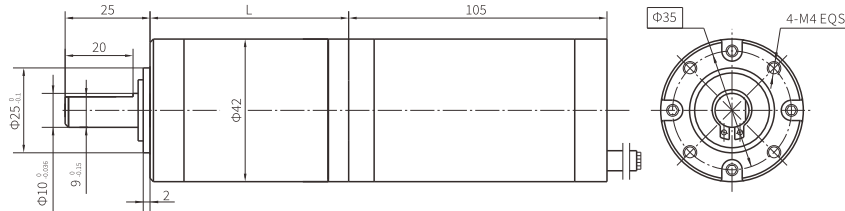
无刷直流行星齿轮减速电机 (内齿圈材质:粉末金属)
BLDC Planetary Gear Motor (Ring Gear Material: Powder Metal)

42JXF150K/42BL105

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
42BL105-2440	4	3	24	4000	3000	0.16	50	2.6	0.32	5.21	1.2	2.1
42BL105-2450	4	3	24	5000	4000	0.17	70	3.89	0.33	7.78	0.65	1.3

■ 无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置42BL105-2440无刷直流电机(42BL105-2440 BLDC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3
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
空载速度 No-load speed r/min	1078	772	286	211	148	78	56	40	29
额定转速 Rated speed r/min	809	579	214	158	111	59	42	30	22
额定转矩 Rated torque N.m	0.5	0.7	1.8	2.4	3.5	5.9	8.2	11.6	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	10	15	15	20	20

配置42BL105-2450无刷直流电机(42BL105-2450 BLDC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3
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
空载速度 No-load speed r/min	1348	965	357	263	185	98	70	50	36
额定转速 Rated speed r/min	1078	772	286	211	148	78	56	40	29
额定转矩 Rated torque N.m	0.6	0.8	1.9	2.6	3.7	6.2	8.7	12.2	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	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				