

31ZYT PMDC Motors

Magnet (磁铁) : Ferrite 铁氧体

Insulation Class 绝缘等级 : B , F

Protection 防护等级 : No

Shaft OD 出轴直径 : 3 mm

Bearing 轴承 : Ball/Sleeve

Winding 绕线选择 :

1. Voltage 工作电压范围 : 6 ~ 36VDC
2. Speed 额定转速范围 : 2,500 ~ 8,000 RPM
3. Power 输出功率范围 : ≤10 W



● Motor Specifications (马达特性)

$Y[\text{oz-in}] = 0.141612 * X[\text{mNm}]$

MODEL 型号	Voltage		No Load		Rated					Stall			Motor length mm
	Nominal	Speed	Current	Speed	Current	Torque		Output	Efficiency	Torque		Current	
	Vdc	r / min	A	r / min	A	g*cm	mN*m	W	%	g*cm	mN*m	A	
31ZYT042-12-41	12	4100	0.07	2650	0.45	102	10.0	2.8	51	286	28.0	1.15	42
31ZYT042-24-84	24	8400	0.08	6200	0.65	153	15.0	9.7	62	591	58.0	2.30	42
31ZYT051-06-55	6	5500	0.27	3100	2.1	184	18.0	5.9	46	418	41.0	4.30	51
31ZYT051-12-44	12	4400	0.1	3000	0.9	204	20.0	6.3	58	622	61.0	2.50	51
31ZYT051-12-71	12	7100	0.19	5660	1.14	148	14.5	8.6	63	680	66.7	3.10	51
31ZYT051-24-52	24	5250	0.1	4000	0.54	214	21.0	8.8	68	867	85.0	2.00	51
31ZYT051-24-46	24	4600	0.05	3000	0.6	204	20.0	6.3	44	622	61.0	1.30	51

● Motor Dimensions (外形尺寸图)

