

DC Motor · 1627N5M- · \varnothing 16 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			45-3.0-001	74-6.0-001	78-12.0-001
Rated voltage	U	V	3	6	12
Terminal resistance	R	Ohm	3.5	5.6	13
No load speed	n_0	rpm	4500	7400	7800
No load current	I_0	mA	15	20	10
Stall torque	T_s	mNm	5.27	8	13.28
Rated torque	T	mNm	1.4	2	3
Rated speed	n	rpm	3300	5400	5800
Rated current	I	mA	240	280	220
Power	$P_{max.}$	W	0.64	1.61	2.77
Max. efficiency	η	%	75	74	80
Back-EMF constant	K_E	mV/rpm	0.66	0.8	1.52
Torque constant	K_T	mNm/A	6.26	7.6	14.54
Rotor inertia	J_{Rotor}	gcm ²	1	1	1.2
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	854	855	587
Weight		g	27	27	27
Length	L	mm	30	30	30
Operational conditions*					
Temperature range	T	°C	-20 ~ +65		
Axial force dynamic	F_{Adyn}	N	0.5		
Axial force static	F_{St}	N	20		
Radial force at 3 mm from mounting face	F_R	N	1		

* at 25° C

Commutator	metal 5 segments
Max. winding temperature	120 °C
Protection class	IP 20
RFI protection	Varistor
Bearings	2 sintered bronze

Dimension (mm) · 1627N5M:

