



DC Motor · 2233N5M- · \varnothing 22 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			90-3.0-001	92-6.0-001	90-9.0-001
Rated voltage	U	V	3	6	9
Terminal resistance	R	Ohm	0.45	0.94	2.7
No load speed	n_0	rpm	9000	9200	9000
No load current	I_0	mA	35	27	22
Stall torque	T_s	mNm	21.0	39.44	31.4
Rated torque	T	mNm	5	8	6
Rated speed	n	rpm	6700	7100	7100
Rated current	I	mA	1600	1300	650
Power	$P_{max.}$	W	5	9.57	7.5
Max. efficiency	η	%	86	87	84
Back-EMF constant	K_E	mV/rpm	0.33	0.65	0.99
Torque constant	K_T	mNm/A	3.17	6.21	9.49
Rotor inertia	J_{Rotor}	gcm ²	2.2	3	2.8
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	429	233	287
Weight		g	55	55	55
Length	L	mm	33.2	33.2	33.2
Operational conditions*					
Temperature range	T	°C	-20 ~ +85		
Axial force dynamic	F_{Adyn}	N	2		
Axial force static	F_{St}	N	20		
Radial force at 3 mm from mounting face	F_R	N	1.5		

* 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) · 2233N5M:

