

DC Motor · 1517N5M- · \varnothing 15 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type	84-6.0-001		
Rated voltage	U	V	6
Terminal resistance	R	Ohm	5
No load speed	n_0	rpm	8400
No load current	I_0	mA	12
Stall torque	T_s	mNm	8
Rated torque	T	mNm	2
Rated speed	n	rpm	6100
Rated current	I	mA	310
Power	$P_{max.}$	W	1.8
Max. efficiency	η	%	81
Back-EMF constant	K_E	mV/rpm	0.71
Torque constant	K_T	mNm/A	6.76
Rotor inertia	J_{Rotor}	gcm ²	0.4
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	1050
Weight		g	15
Length	L	mm	17
Operational conditions*			
Temperature range	T	°C	-20 ~ +65
Axial force dynamic	F_{Adyn}	N	0.1
Axial force static	F_{St}	N	10
Radial force at 3 mm from mounting face	F_R	N	0.3

* 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) · 1517N5M:

