



DC Motor · 0612N5M- · 0615N5M- · \varnothing 6 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			0612N5M-		0615N5M-
			200-1.5-001	215-3.0-001	295-6.0-001
Rated voltage	U	V	1.5	3	6
Terminal resistance	R	Ohm	3.5	9.4	18.1
No load speed	n_0	rpm	20000	21500	29500
No load current	I_0	mA	30	17	15
Stall torque	T_s	mNm	0.27	0.38	0.59
Rated torque	T	mNm	0.07	0.1	0.12
Rated speed	n	rpm	14500	15300	16000
Rated current	I	mA	135	100	80
Power	$P_{max.}$	W	0.16	0.24	0.5
Max. efficiency	η	%	54	59	55
Back-EMF constant	K_E	mV/rpm	0.07	0.13	0.19
Torque constant	K_T	mNm/A	0.67	1.26	1.86
Rotor inertia	J_{Rotor}	gcm^2	0.01	0.01	0.01
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	74000	57000	50000
Weight		g	1.6	1.6	1.6
Length	L	mm	12	12	15
Operational conditions*					
Temperature range	T	°C	-20 ~ +65		
Axial force dynamic	F_{Adyn}	N	0.1		
Axial force static	F_{St}	N	4		
Radial force at 3 mm from mounting face	F_R	N	0.3		

Commutator	metal 5 segments	* at 25° C
Max. winding temperature	100 °C	
Protection class	IP 20	
RFI Protection	No	
Bearings	2 sintered bronze	

Dimension (mm) · 0612N5M and 0615N5M:

