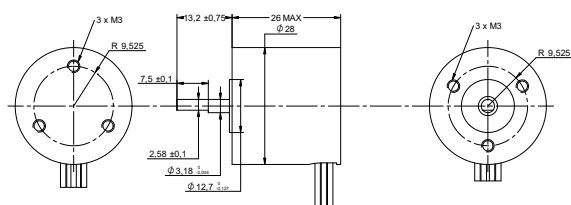


DRAWING (mm)



MODEL NO. DESIGNATION

BR2826 - VOLTAGE

Example: BR2826-12

PHOTO



ACCESSORIES



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

BRUSHLESS DC MOTOR DATA		BR2826-12	BR2826-24	C
Nominal voltage	V	12	24	
Commutator hall voltage	V	5 ~ 24	5 ~ 24	
No load speed	rpm	10000	10000	
No load current	A	0.1	0.9	
Nominal speed	rpm	8000	8000	
Nominal torque	mNm	7	7	
Nominal current	A	0.69	0.34	
Start/Stall torque	mNm	21	21	
Efficiency	%	71	72	
Nominal power	W	5.9	5.9	
Terminal resistance	Ω	5.4	21	
Terminal inductance	mH	1.7	6.7	
Torque constant	mNm/A	10	21	
Rotor inertia	gcm ²	1.2	1.2	
Bearing type		Ball bearing		
Axial play at axial load < 3.5 N	mm	0.08		
Axial play at axial load > 3.5 N	mm	0.08		
Radial play	mm	0.02		
Max. dynamic axial load	N	2		
Max. radial load ¹	N	10		

NOTES

1. 10 mm from flange.

OTHER BRUSHLESS DC MOTOR DATA		BR2826-12	BR2826-24	C
Number of pole pairs		2		
Number of phases		3		
Weight	g	60		
Operating temperature	°C	-20 to 50		
Max. winding temperature	°C	130		
Motor insulation class		B		
IP rating		IP40		
Hall sensors and power harness length	mm	210		●
Power harness		UL1007 AWG26		●
Hall sensors harness		UL1007 AWG26		●
Shaft length from flange	mm	13.2		●
Shaft diameter Ø	mm	3.175		
Service life	h	10000		
Manufacturing standard		ISO9001 ISO14001 TS16949		

CABLE AND PIN CONFIGURATION

Power		Hall		C
Phase	Cable color	Phase	Cable color	
U	GRN	HU	BLU	
V	RED	HV	ORG	
W	BLK	HW	BRN	
		+5V	YEL	
		GND	WHT	