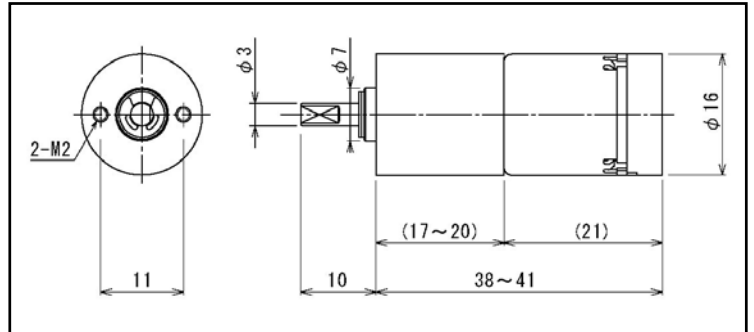


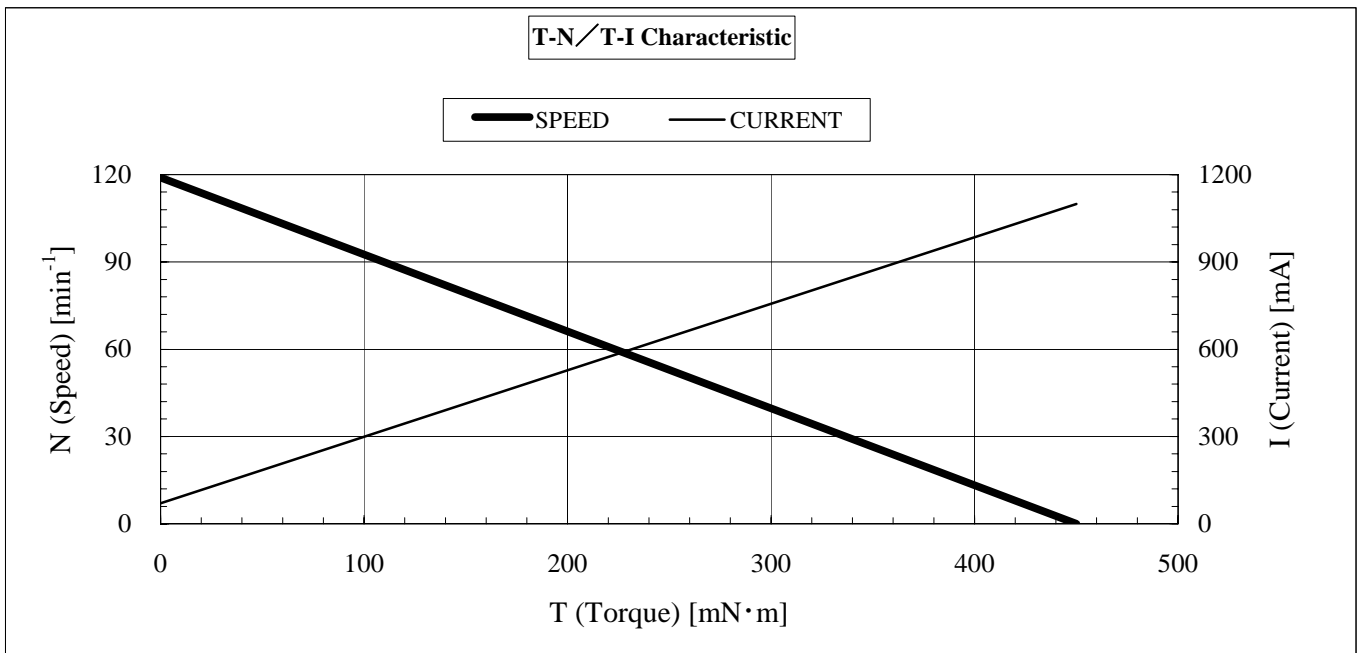
COPAL

LB16MG-120-CB 16mm Brushless Motor Planetary Metal Gearbox 12Vdc, 120:1 Ratio



Drive Electronics :Internal
 Gearbox :Planetary Metal Gears
 Bearing Type :Sleeve
 Rotation :CW; CCW
 Operating Temp :0°C~50°C
 Net Weight :31.5g

Model	Rated Voltage (Vdc)	Rated Current (mA)	Starting Current (mA)	Rated Torque		Starting Torque		Rated Speed (rpm)	No Load Speed (rpm)	Length (mm)
				oz-in	mNm	oz-in	mNm			
LB16MG-120-CB	12	200	1100	8.32	58.8	63.72	450	107	119	38



Input/Output Signal

Wire No.	Item	Standard	Wire Color
1	GND		Black
2	VM (Motor Power)	3.5 ~ 13.2VDC (Motor Speed Control)	Gray
3	Vcc	12VDC (10.8 ~ 13.2VDC)	Red
4	CW/CCW	CW: to Vcc; CCW: to GND	Green
5	FG	P-P:GND to Vcc 429 P/R (Gear Ratio×4) Square wave signal	Yellow

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