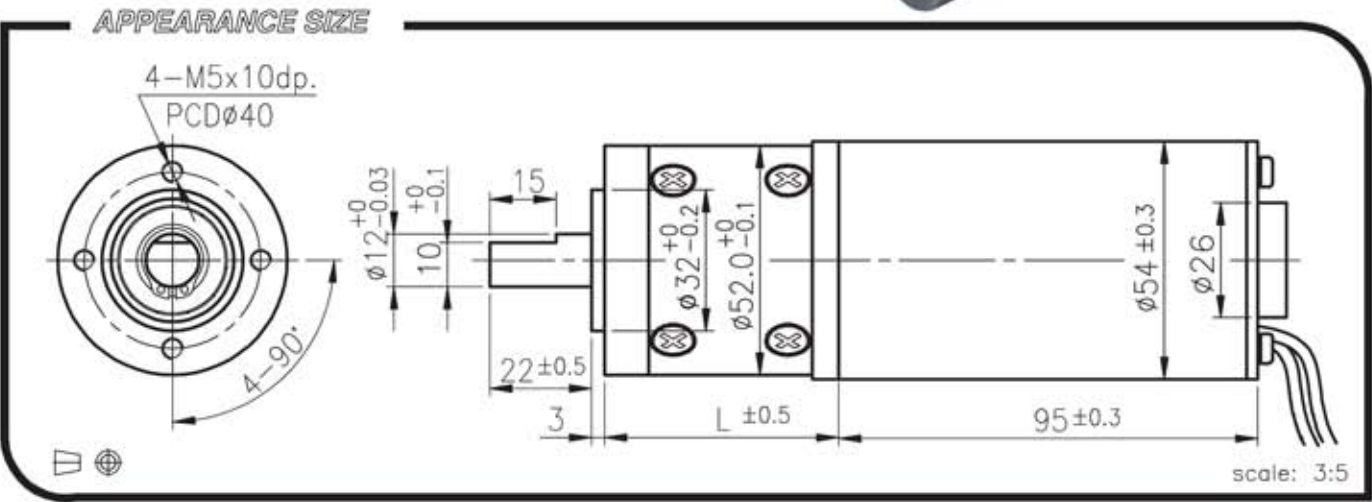


J52M-019-T4-05

DC Carbon-Brush Geared Motor

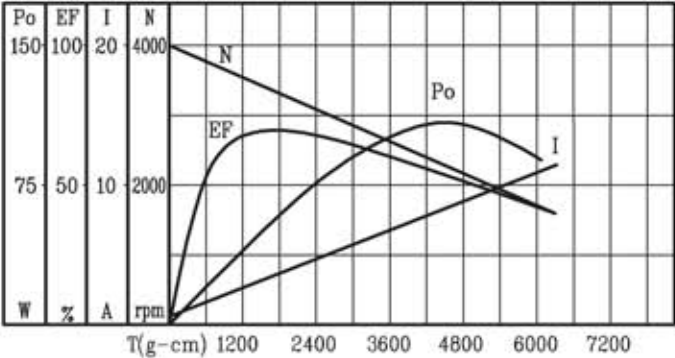
REDUCTION RATIO	L
1/19	68.5



GEARED MOTOR TORQUE/SPEED

	Reduction ratio	1/19
24V	Rated torque (kg-cm)	17
	Rated speed (rpm)	185

MOTOR CHARACTERISTICS



MOTOR DATA

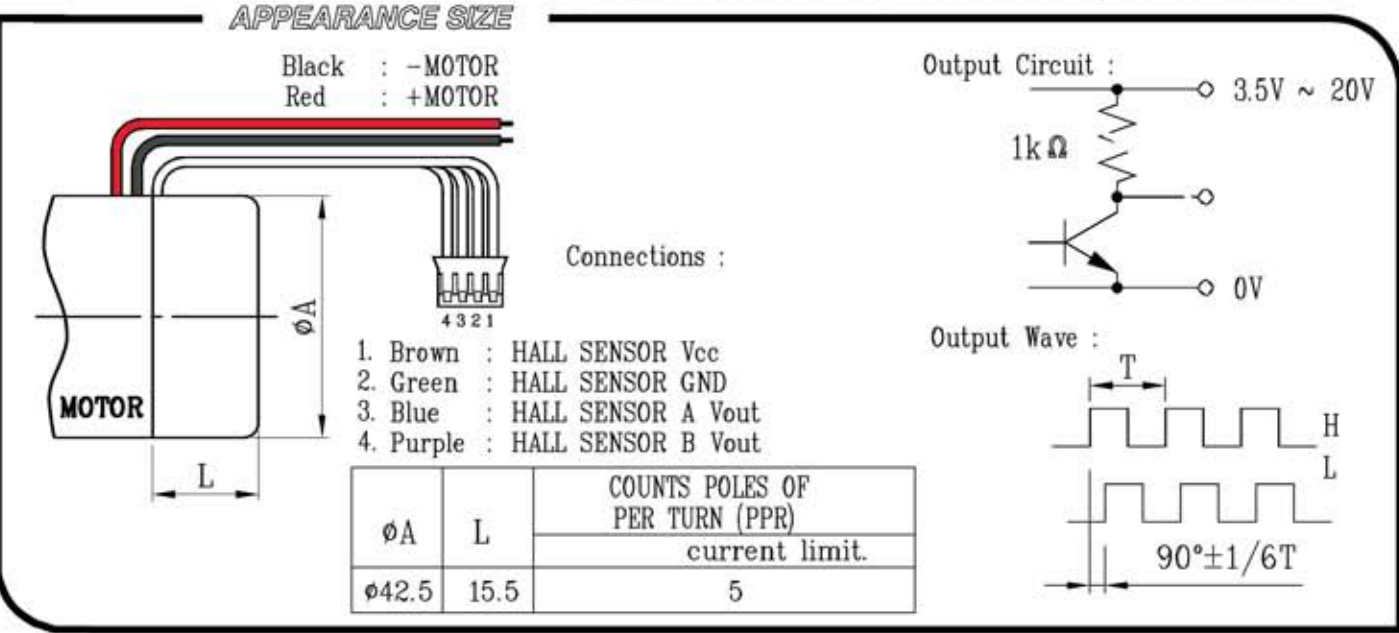
Rated volt (V)	Rated torque (g-cm)	Rated speed (rpm)	Rated current (mA)	No load speed (rpm)	No load current (mA)	Rated output (W)	Weight (g)
24	1300	3550	≤ 2850	4000	≤ 700	48.6	920

Magnetic Encoder

Two Channel Hall Effect Encoder

20%~85%RH
Operating relative humidity

-10℃~+60℃
Operating temperature range



Electrical Characteristics

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN.	REF.	MAX.	UNITS
Supply Voltage	Vcc	---	3.5	-	20	V
Output Saturation Voltage	Vce(sat)	Vcc=14V ; Ic=20mA	-	300	700	mV
Output Leakage Current	Icex	Vce=14V ; Vcc=14V	-	< 0.1	10	μV
Supply Current	Ice	Vcc=20V Output open	-	5	10	mA
Output Rise Time	tr	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS
Output Fall Time	tf	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS