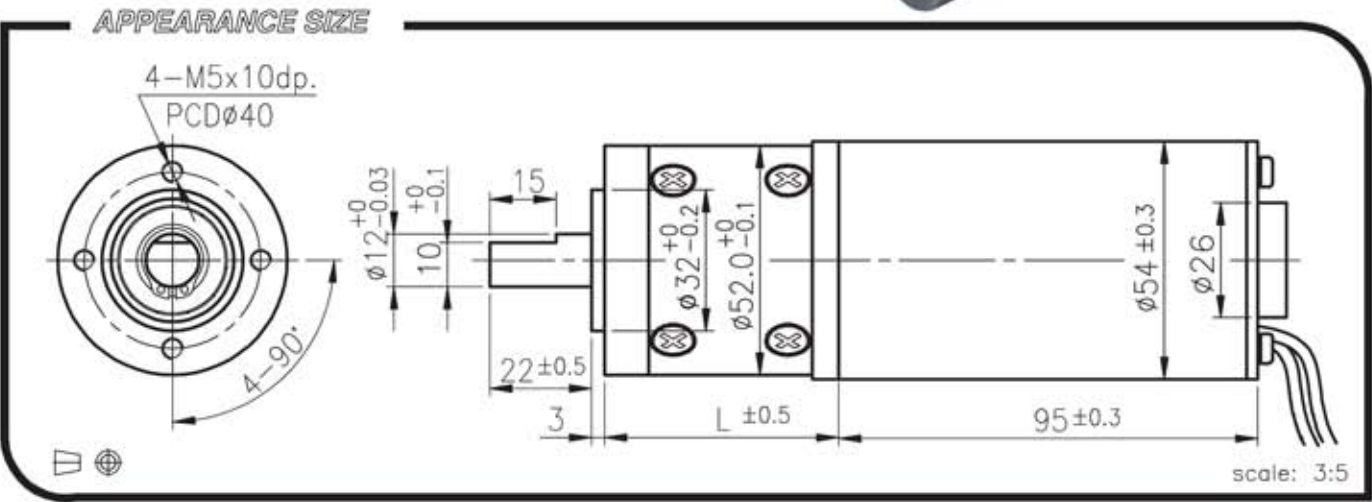


J52M-015-T4-05

DC Carbon-Brush Geared Motor

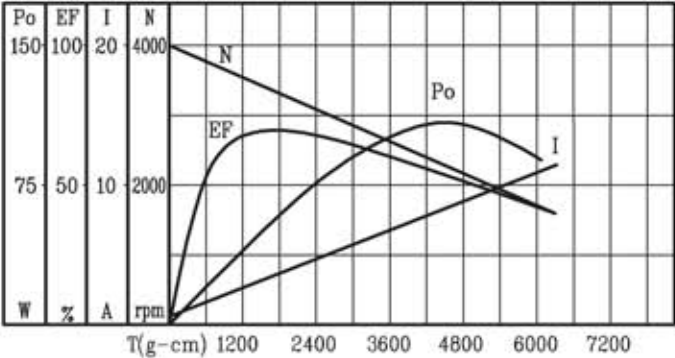
REDUCTION RATIO	L
1/15	68.5



GEARED MOTOR TORQUE/SPEED

	Reduction ratio	$\frac{1}{15}$
24V	Rated torque (kg-cm)	13.5
	Rated speed (rpm)	230

MOTOR CHARACTERISTICS



MOTOR DATA

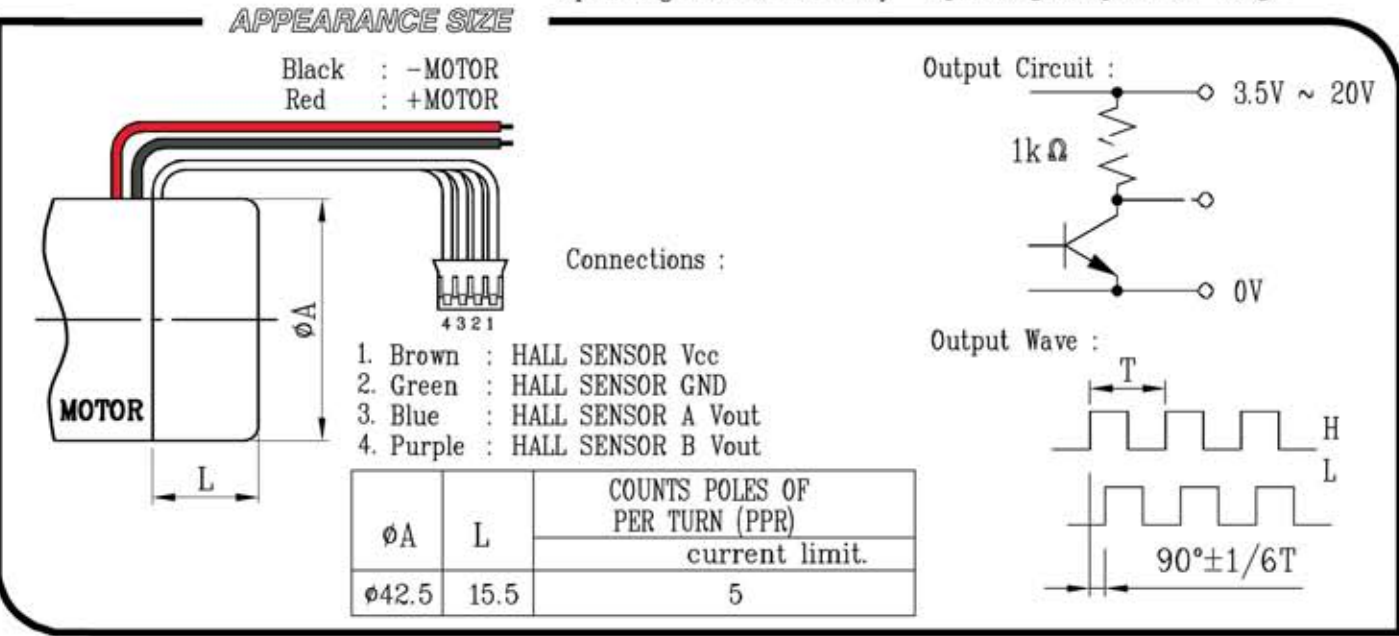
Rated volt (V)	Rated torque (g-cm)	Rated speed (rpm)	Rated current (mA)	No load speed (rpm)	No load current (mA)	Rated output (W)	Weight (g)
24	1300	3550	\leq 2850	4000	\leq 700	48.6	920

Magnetic Encoder

Two Channel Hall Effect Encoder

20%~85%RH
Operating relative humidity

-10°C~+60°C
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	μ V
Supply Current	Ice	Vcc=20V Output open	-	5	10	mA
Output Rise Time	tr	Vcc=14V ; RL=820 Ω ; CL=20pF	-	0.3	1.5	μ S
Output Fall Time	tf	Vcc=14V ; RL=820 Ω ; CL=20pF	-	0.3	1.5	μ S