


GODO ELECTRONICS Co.,Ltd

DATA SHEET

Product category - Vibration motor
Motor type- Coreless motor
Model no : GE0614-BLW01

Main dimensions : Diameter 6mm body length 14.0mm

• High Reliability • Long Lifetime • Low Noise • Precision Performance

Scope

These specification are applied to GE0614-BLW01 vibration motors to be used for haptic applications
Manufactured in GODO electronics Co.,Ltd.

Standard Operating Conditions

No.	ITEM	Specification
1	Rated voltage	DC 3.0V
2	Direction of rotation	CW/CCW(Both direction)
3	Operating voltage range	DC 2.4V~3.6V
4	Operating temperature range	-20℃ ~ +60℃
5	Storage temperature range	-30℃ ~ +70℃

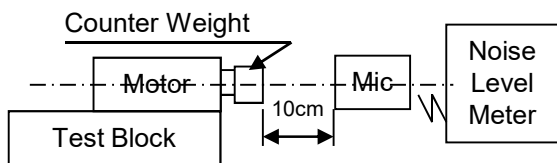
Construction form

No.	ITEM	Specification
1	Motor Construction	Ø6 cylindrical DC coreless motor
2	Number of phases	3-phases (△ - Connection)
3	Number of magnet poles	2 – poles (Inner magnet type)
4	Rectifying method	Precious brush and commutator

Electrical Characteristics

No.	ITEM	Specification	Measuring condition
1	Rated speed	9,000 ± 2,500 rpm	Measuring at rated voltage
2	Rated current	80 mA Max	Measuring at rated voltage
3	Locked current	150 mA Max	Measuring at rated voltage
4	Starting voltage	2.4V Max	Minimum voltage for starting
5	Terminal resistance(Ref.)	30Ω ± 20%	Measuring between terminals

Mechanical Characteristics

No.	ITEM	Specification	Measuring condition
1	C/Weight pull strength	3kg min.	Shaft axial direction
2	Shaft pull strength	3kg min.	Shaft axial direction
3	Shaft end play	0.3mm Max	Distance of axial play on shaft
4	Mechanical noise	55dB(A) Max	Back ground noise : 23dB(A) Max
			

Haptic Characteristics – Reference Specification

No.	ITEM	Specification	Condition
1	Rising time	50~70mS	50% of Maximum Acceleration
2	Falling time	70~80mS	50% of Maximum Acceleration

Cautions

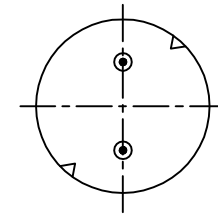
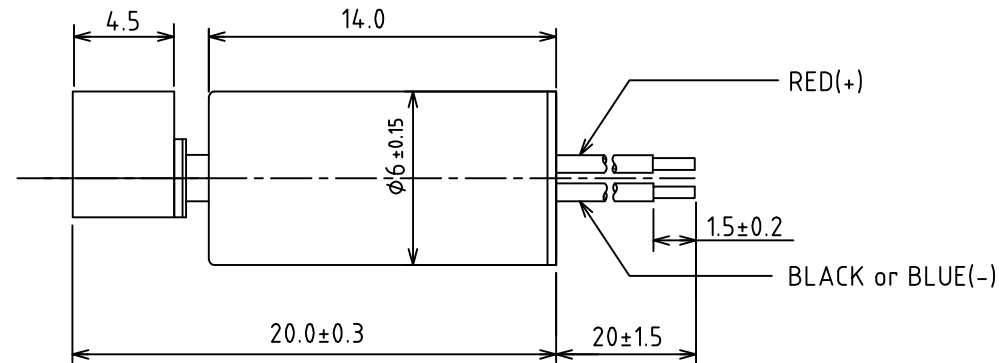
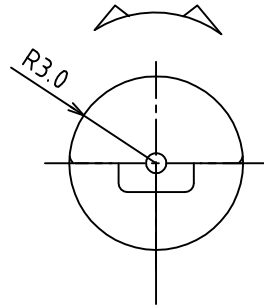
Allowance range for use

Unless it is used in accordance with the specifications, the performance and life may be considerably reduced. Due attention should be paid to voltage and current ranges for use.

Storage

Avoid storing in high temperature, high humidity or corrosive gas environment.

DIRECTION OF ROTATION



TEST CONDITION :

- 1.RATED VOLTAGE : 3.0VDC
- 2.OPERATING VOLTAGE : 2.4 ~ 3.6V
- 3.OPERATING TEMPERATURE RANGE : -20°C -- 60°C

SPECIFICATION

- 1.STARTING VOLTAGE : 2.4V MAX
- 2.RATED CURRENT : 80mA Max
- 3.RATED LOAD SPEED : 9,000 ± 2,500
- 4.MECHANICAL NOISE : 55dB(A)MAX
- 5.TORQUE : 1.0+/-2.0 gfcm Min.

REV	NO.	CONTENTS	ENGINEER	APPROVER	DATE(yy/mm/dd)
		-			
UNLESS OTHERWISE SPECIFIED					

3		LEAD WIRE	UL1571#32	1		
2		RUBBER	SILICON	1		
1	-	Vibrator	GE0614-BLW01	1		
NO.	PART NO.	PART NAME	MATERIAL	Q'TY	FINISH	REMARK
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS, AND TOLERANCE ARE AS FOLLOWS :			UNIT	SIZE	SCALE	SHEET
GENERAL TOLERANCE IS m/m 0.2			mm	A4	5/1	1/1
ANGULAR TOLERANCE : ±1.0°			DESIGNED		DATE (YY/MM/DD)	PART NAME
GODO ELECTRONICS Co.,Ltd R & D CENTER			CHECKED		DATE (YY/MM/DD)	VIRBRATOR
			APPROVED		DATE (YY/MM/DD)	DRAWING NO.
						GE0612-001