



Motor Specification

Flat Type Vibration Motor

VPM2

1. STANDARD OPERATING CONDITION

NO	ITEM	RATED CONDITION
2-1	STANDARD VOLTAGE	DC3.0V
2-2	OPERATING VOLTAGE GANGE	DC 2.5 ~ 3.5V
2-3	ROTATING DIRECTION	CW , CCW
2-4	OPERATING TEMPERATURE RANGR	-10℃ ~ +60℃
2-5	STORAGE TEMPERATURE RANGE	-30℃ ~+70℃

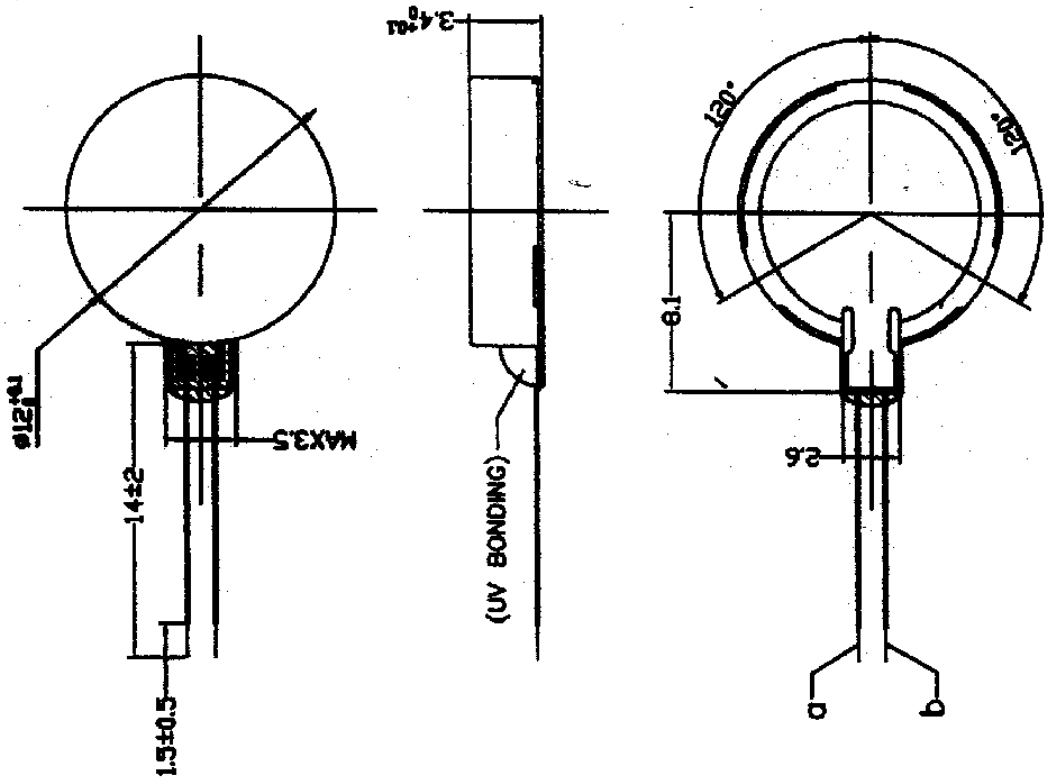
2. MEASURING CONDITION

NO	ITEM	RATED CONDITION
3-1	TEMPERATURE	5℃ ~35℃
3-2	HUMIDITY	35% ~75%RH
3-3	POWER SUPPLY, VOLTAGE SOURCE	DC POWER SUPPLY OR BATTERY3.0V
3-4	POSTURE OF MOTOR	STATE OF STANDARD MEASUREMENT

3. ELECTRICAL CHARACTERISTIC

NO	ITEM	UNIT	SPEC	CONDITION
4-1	STANDARD SPEED	rpm	12.000±3,000	STANDARD VOLTAGE : DC 3.0V
4-2	STANDARD CURRENT	mA	80 MAX	STANDARD VOLTAGE : DC 3.0V
4-3	MIN.STARTING VOLTAGE	V	2.3MAX	ON/OFF-1CYCLE ,TTL5CYCLES UNDER DC3V
4-4	TERMINAL RESISTANCE	Ω	32 ± 20%	EACH BRUSH CONTACTS EACH POLE OF COMMUTATOR
4-5	STARTING CURRENT	mA	120MAX	MOTOR LOCKING
4-6	INSULATION RESISTANCE	MΩ	10MIN	MEASURING BETWEEN CASE AND TERMINAL.

TOLERANCE



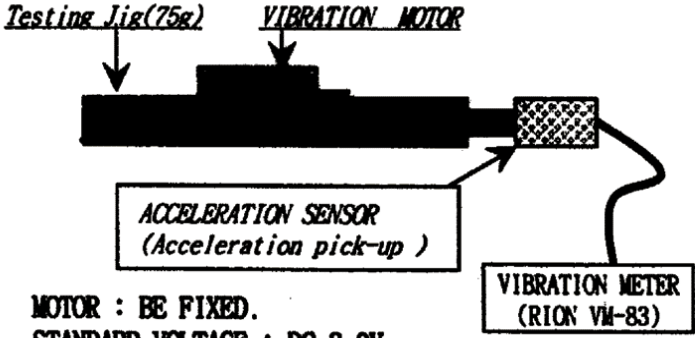
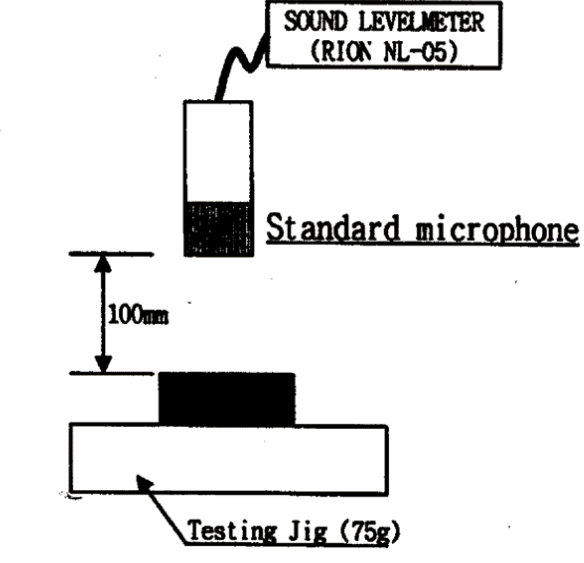
NOTE:

1. Please be careful not to drop or make over 5 kgf force.
2. Applying general tolerance grade3 for unmarked tolerance.
3. Lead wire spec: UL1571#32.
4. Weight of motor ASS'Y about 1.23g.
5. Lead-wire : a-red (+).
Lead-wire : b-blue(-).
6. Other matters are subject to drawer's final confirmation.



VPM2

4. MECHANICAL CHARACTERISTICS

NO	ITEM	UNIT	SPEC	CONDITION
4-1	VIBRATION STRENGTH	G	(1.0)	 <p>MOTOR : BE FIXED. STANDARD VOLTAGE : DC 3.0V . STIPULATION AT ROTATING SPEED .</p>
4-2	MECHANICAL NOISE	dB	50 MAX	 <p>MOTOR : BE FIXED . STANDARD VOLTAGR : DC 3.0 V BACK GROUND NOISE 25dB MAX.-A SCALE MICRO PHONE SHOULD BE VERTICAL.</p>
4-3	SHAFT PULL STRENGTH	gf	500 MIN	DEMOLITION TEST BY PUSH-PULL GAUGE.
4-4	BRACKET DEFLECTION STRENGTH	gf	500MIN	DEMOLITION TEST BY PUSH-PULL GAUGE.