

Spec Sheet

14-Jul-08

Oken Seiko Co.,Ltd

Name Micro Air Pump

Model P54E-0001R

Approval	Confirm	Write
OKEN 08.07.14 栗田	OKEN 08.07.14 千田	OKEN 08.07.14 清水

Rated Voltage 12.0 VDC

Operating Voltage Range 10.8 ~ 13.2 VDC

Operating Temperature Range 5 ~ 45 °C

Storage Temperature Range -20 ~ 60 °C

Fluid to use Air(20±5°C)

Basic Performance

Flow rate 830 mL/min

※1

Current Draw 270 mA (Max)

※1

Dead Head Pressure 80 kPa (Min)

Noise Level 53 dB (Max)

※2

Cautions

- 1 Wrap with a piece of soft polyurethane and fix it inside the device used.
- 2 If metal binder is used, bind around the motor.
- 3 Most preferably horizontal. If vertical, motor side down.
- 4 Do not block the air intake port. Minimum opening must be 1.0mm. If a filter is used, avoid close mesh for possible pump damage.
- 5 Solvent may damage plastic parts. Oil and fat, some types of chemicals of plasticizer possible contained in rubber or silicone tubes may also damage plastic parts.

Remarks

- ※1 Load at 40kPa.PWM duty 100%.PWM circuit current is excluded.
- ※2 At 30cm distance from 0 to 40 kPa when measured in A range
- ※ PWM Pulse at frequency 15~25kHz
Max input Voltage 5.0V
Input Threshold Hige 2.5V min
Input Threshold Low 1.0V max

