

## Engineering Sample Specifications

**CUSTOMER** :  
**DESCRIPTION** : MagLev Blower Fan  
**DIMENSIONS** : 15X15X3 mm  
**MODEL** : UB3F3-100  
**P/N** :

<b>ENGINEER</b>	<i>Chen.kun.hao</i> <i>06/11/07</i>	<b>APPROVAL</b>	<i>yjn 6/3</i>
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建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD TEL:886-7-7163069(41 LINES) FAX:886-7-7163086/87/88 WEB PAGE : <a href="http://www.sunon.com.tw">http://www.sunon.com.tw</a>			

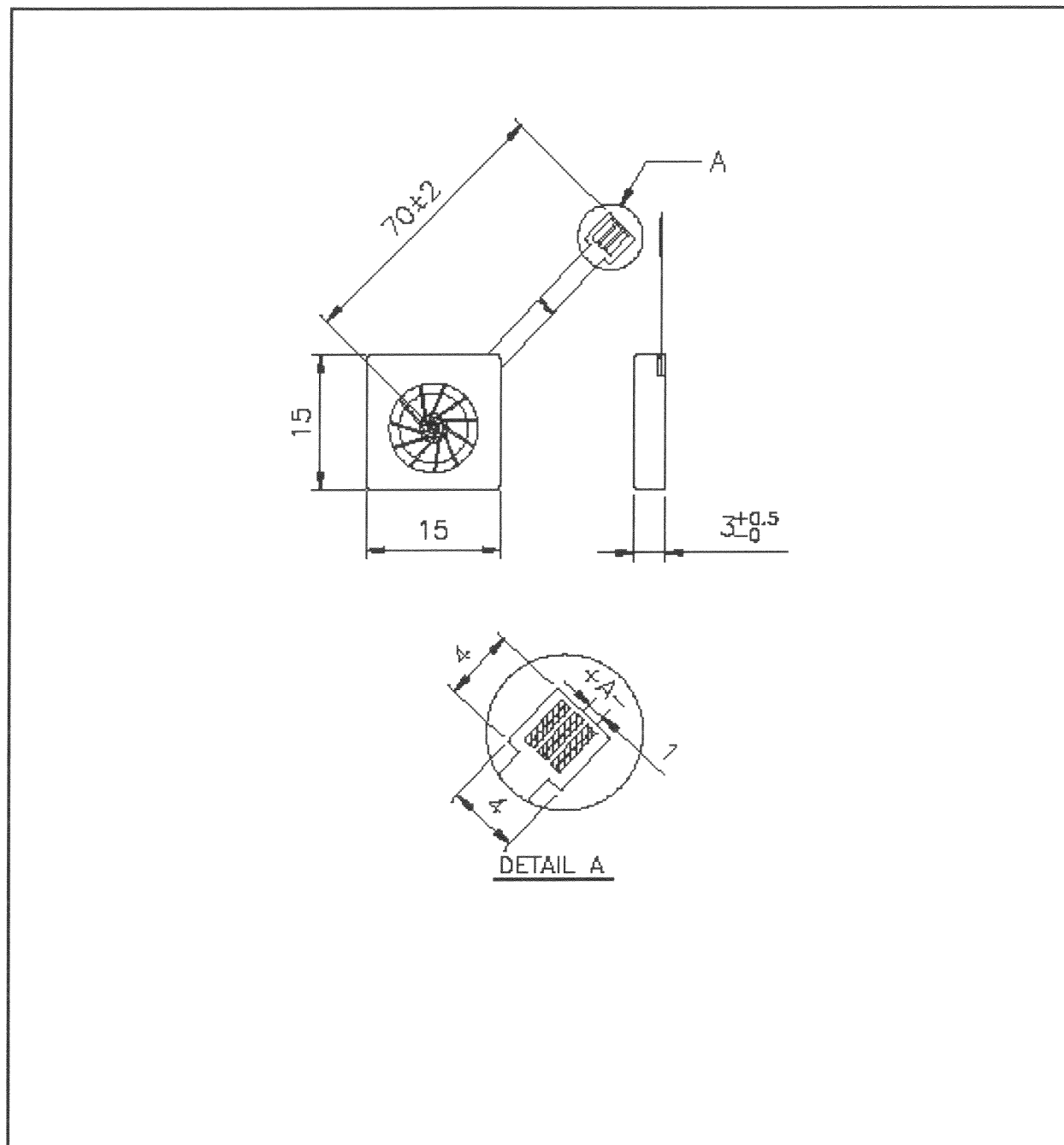
## 1. Construction

<b>MOTOR DESIGN</b>	DC brushless 4 pole motor design.
<b>BEARING SYSTEM</b>	Vapo bearing system
<b>DIMENSIONS</b>	See Page 4
<b>MATERIALS OF FRAME</b>	Thermoplastic LCP A130
<b>MATERIALS OF FAN BLADE</b>	Thermoplastic LCP A130
<b>DIRECTION OF ROTATION</b>	Counter-clockwise viewed from front of fan blade
<b>Tolerance</b>	±15% on rated power and current.
<b>WEIGHT</b>	0.69g

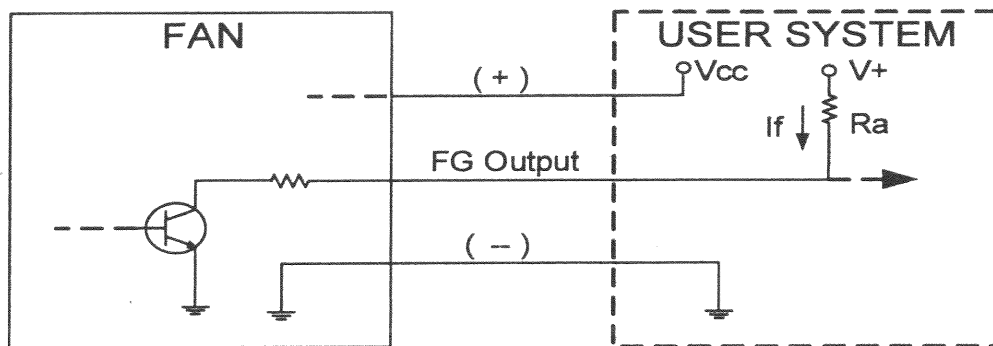
## 2. Rating

<b>RATED VOLTAGE</b>	3 VDC
<b>STARTING VOLTAGE</b>	2.0 VDC (25 deg. C POWER ON/OFF)
<b>OPERATING VOLTAGE RANGE</b>	2.0 ~ 3.5 VDC
<b>RATED CURRENT</b>	42 mA
<b>RATED POWER CONSUMPTION</b>	0.13 WATTS
<b>AIR FLOW</b>	3.10 l/min
<b>STATIC PRESSURE</b>	22.4 Pa
<b>ACOUSTIC NOISE / 0.3M</b>	27.9 dB(A)
<b>RATED SPEED</b>	8000 RPM ± 30%
<b>OPERATING TEMPERATURE</b>	-10 to + 70 deg. C
<b>STORAGE TEMPERATURE</b>	-40 to + 70 deg. C

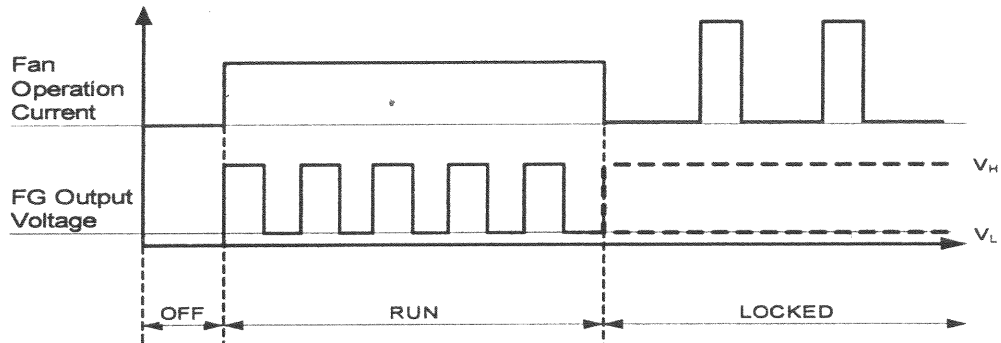
### 3. Dimensions



## 4. FG Signal



$$*Ra \geq V^+ / If(\text{max})$$



★Electrical Characteristics : ( at Ta = 25°C)

Parameter	Ratings			Unit
	min	typ.	max	
FG Supply Voltage(V+)	2	--	6	Voltage
FG Output Current (If)	5	--	10	mA
FG Output (VL)	--	0.25	0.4	Voltage
FG Output (VH)	2	--	--	Voltage

## 5. Performance curve

