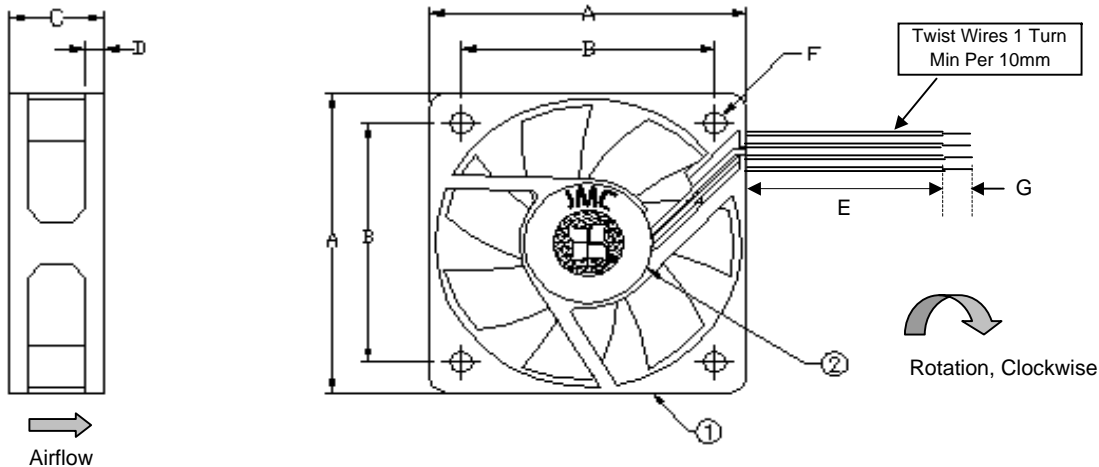
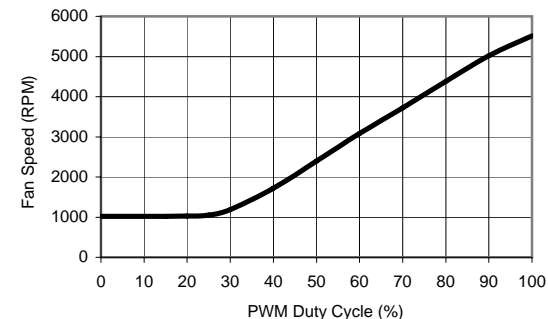


| Revision History |     |        |              |           |
|------------------|-----|--------|--------------|-----------|
| EC No            | REV | Date   | Description  | Approvals |
| NA               | X00 | 6/3/08 | Created Drg. | SA        |
|                  |     |        |              |           |



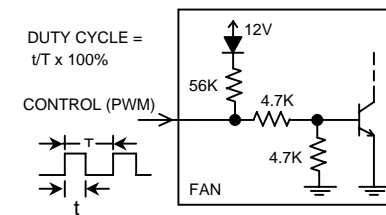
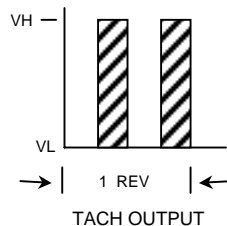
- NOTES**
- THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2002/95/EC
  - BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER.



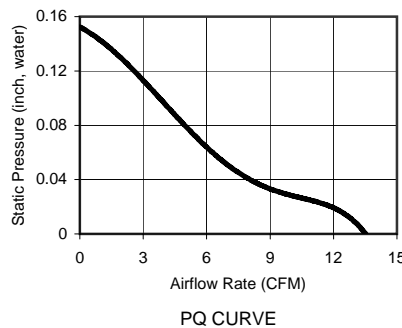
| WIRE DESIGNATION |             |
|------------------|-------------|
| Wire Color       | Function    |
| Black            | GND (-)     |
| Yellow           | PWR (12Vdc) |
| Green            | TACH        |
| Blue             | PWM         |

| All Dimensions in mm |                     |
|----------------------|---------------------|
| A                    | 50 +/- 0.5          |
| B                    | 40 +/-0.3           |
| C                    | 15 +/-0.5           |
| D                    | 3.0 +/-0.3          |
| E                    | 300 +/- 25          |
| F                    | 4 X 3.7 Dia +/- 0.3 |
| G                    | 6.4 +/- 1.0         |

Frame Type (Closed Barrel)



FRONT END PWM CIRCUIT



|                     | ITEM                    | SPECIFICATION   | UNITS / NOTES          |
|---------------------|-------------------------|-----------------|------------------------|
| MECHANICAL          | Speed                   | 5500 +/- 10%    | RPM at 12 Vdc          |
|                     | Airflow                 | 13.5            | CFM in Free Air        |
|                     | Static Pressure         | 0.15            | Inch, H <sub>2</sub> O |
|                     | Bearing Type            | Ball, Dual      | N/A                    |
|                     | Operating Temp          | (-)10 to 70     | Deg C                  |
|                     | Storage Temp            | (-)40 to 70     | Deg C                  |
|                     | Noise Level             | 29.6            | dBA Max at 1M          |
| PHYSICAL            | Blade Material          | UL 94V-0        | N/A                    |
|                     | Frame Material          | UL 94V-0        | N/A                    |
|                     | Wire Size               | 26              | AWG                    |
|                     | Wire Type               | UL 1007         | N/A                    |
|                     | Wire Assembly           | First Slot Only | N/A                    |
| ELECTRICAL          | Regulatory Approvals    | UL CUL TUV      | N/A                    |
|                     | Net Weight              | TBD             | Grams                  |
|                     | Operating Voltage       | 10.8 - 13.2     | Vdc                    |
|                     | Start up Voltage        | NA              | Vdc                    |
|                     | Start up PWM duty cycle | 30.0            | %                      |
|                     | Rated Current           | 0.16            | Amp                    |
|                     | Input Power             | 1.92            | Watts                  |
|                     | Tach Output             | 2               | Pulses/Rev             |
| Polarity Protection | Yes                     | N/A             |                        |
| Motor Protection    | By Autorestart          | N/A             |                        |

|      |     |             |             |     |
|------|-----|-------------|-------------|-----|
| 2    | 1   | Logo Label  | L05001B0004 | JMC |
| 1    | 1   | Fan Model   | 5015-12     | JMC |
| Item | Qty | Description | Part Number | MFG |

|                                     |                     |   |                              |            |
|-------------------------------------|---------------------|---|------------------------------|------------|
| Austin Texas, USA<br>Dong Guan, PRC | <br>The Fan Company | FAN, 50x15 mm, 12Vdc<br>Dual Ball, Base Model |                              |            |
| Drawn By<br>S. Apsangi              |                     | Size<br>A1                                    | Drawing Number<br>05001B0004 | Rev<br>X00 |
| Engineer<br>J. Elmo                 | Scale: None         |   | Sheet 1 of 1                 |            |

PROPRIETARY NOTE